TravelMate 6492 Series
Service Guide



Service guide files and updates are available on the ACER/CSD web; for more information, please refer to http://csd.acer.com.tw

PRINTED IN TAIWAN

Revision History

Please refer to the table below for the updates made on TravelMate 6492 service guide.

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

`SCREEN MESSAGES`	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

Table of Contents

System Specifications

Features

Below is a brief summary of the computer's many feature:

Operating system

- Genuine Windows® Vista™ Capable
- Genuine Windows® XP Professional (Service Pack 2)

Note: Windows® Vista™ Capable PCs come with Windows® XP installed, and can be upgraded to Windows® Vista™. For more information on Windows® Vista™ and how to upgrade, go to: Microsoft.com/windowsvista.

Platform and memory

- Intel® Core™2 Duo mobile processor supporting Intel® 64 architecture and Intel® Virtualization technology
- Mobile Intel® GM965 Chipset (Northbridge), supporting Intel® Active Management Technology (AMT) 2.5
- Intel® ICH8ME (South Bridge), featuring integrated 10/100/1000 GbE MAC with circuit breaker
- Up to 2 GB of DDR2 667 MHz memory, upgradeable to 4 GB using two soDIMM modules (dual-channel support)

Display and graphics

- 14.1" WXGA TFT LCD, 1280 x 800 pixel resolution, supporting simultaneous multi-window viewing via Acer GridVista™
- Mobile Intel® GM965 Express Chipset with integrated 3D graphics, featuring Intel® Graphics Media Accelerator (GMA) X3000 with Intel® Dynamic Video Memory Technology 4.0, supporting Microsoft® DirectX® 9 and DirectX® 10
- 16.7 million colors
- MPEG-2/DVD hardware-assisted capability (acceleration)
- WMV9 (VC-1) and H.264 (AVC) support (acceleration)
- S-video/TV-out (NTSC/PAL) support

Storage subsystem

- 80/120/160 GB hard disk drive with Acer DASP (Disk Anti-Shock Protection) enhancement
- Acer MediaBay hot-swappable optical drive
  - 8X DVD-Super Multi double-layer drive
- 5-in-1 card reader supporting Secure Digital™ (SD), MultiMediaCard (MMC), Memory Stick® (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD)

Dimensions and Weight

- 339.4 (W) x 245 (D) x 35/39 (H) mm (13.36 x 9.65 x 1.37/1.54 inches)
- 2.56 kg (5.63 lbs.) with 6-cell battery pack and Acer MediaBay 6-cell 2nd battery pack
- 2.48 kg (5.46 lbs.) with 6-cell battery pack and optical drive

Power Subsystem

- ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes
- 11.1V 3800 mAh Li-ion primary battery pack (6-cell)
- 3-pin 90 W AC adapter
    - 2.5-hour rapid charge system-off
    - 3.0-hour charge-in-use

Input devices

- 84-/88-key Acer FineTouch™ keyboard with 5º curve, inverted “T” cursor layout, 2.5 mm (minimum) key travel
- Dual navigation control, featuring Acer FineTrack™ with two FineTrack™ buttons and touchpad with 4-way scroll button
- Acer Bio-Protection fingerprint reader supporting Acer FingerNav 4-way control function
- 12 function keys, four cursor keys, two Windows® keys, hotkey controls, embedded numeric keypad, international language support
- Easy-launch buttons: Empowering Key, email, Internet, user programmable
- Front-access communication switches: WLAN and Bluetooth®

Audio

- Realtek ALC268 Chip
- Intel® High Definition Audio support
- Two built-in Acer 3DSonic stereo speakers
- Built-in microphone
- MS-Sound compatible

Communication

- Acer Video Conference featuring:
    - Integrated Acer Crystal Eye webcam supporting enhanced Acer PrimaLite™ technology (for selected models)
    - Optional Acer Bluetooth® VoIP phone
- WLAN featuring:
    - Intel® Wireless WiFi Link 4965AGN (dual-band quadmode 802.11a/b/g/Draft-N) Wi-Fi CERTIFIED® network connection, supporting Acer SignalUp™ with InviLink™ Nplify™ wireless technology, or 4965AG (dual-band tri-mode 802.11a/b/g) Wi-Fi CERTIFIED® network connection, supporting Acer SignalUp™ wireless technology
- WPAN featuring:
    - Bluetooth® 2.0+EDR (Enhanced Data Rate)
- LAN featuring:
    - Gigabit Ethernet, supporting Intel® AMT 2.5, Wake-on-LAN ready
- Modem featuring:
    - 56K ITU V.92 with PTT approval, Wake-on-Ringready

I/O Ports

- CRT port --- Support CRT monitor.
- 3 * USB 2.0 ports
- MIC-In

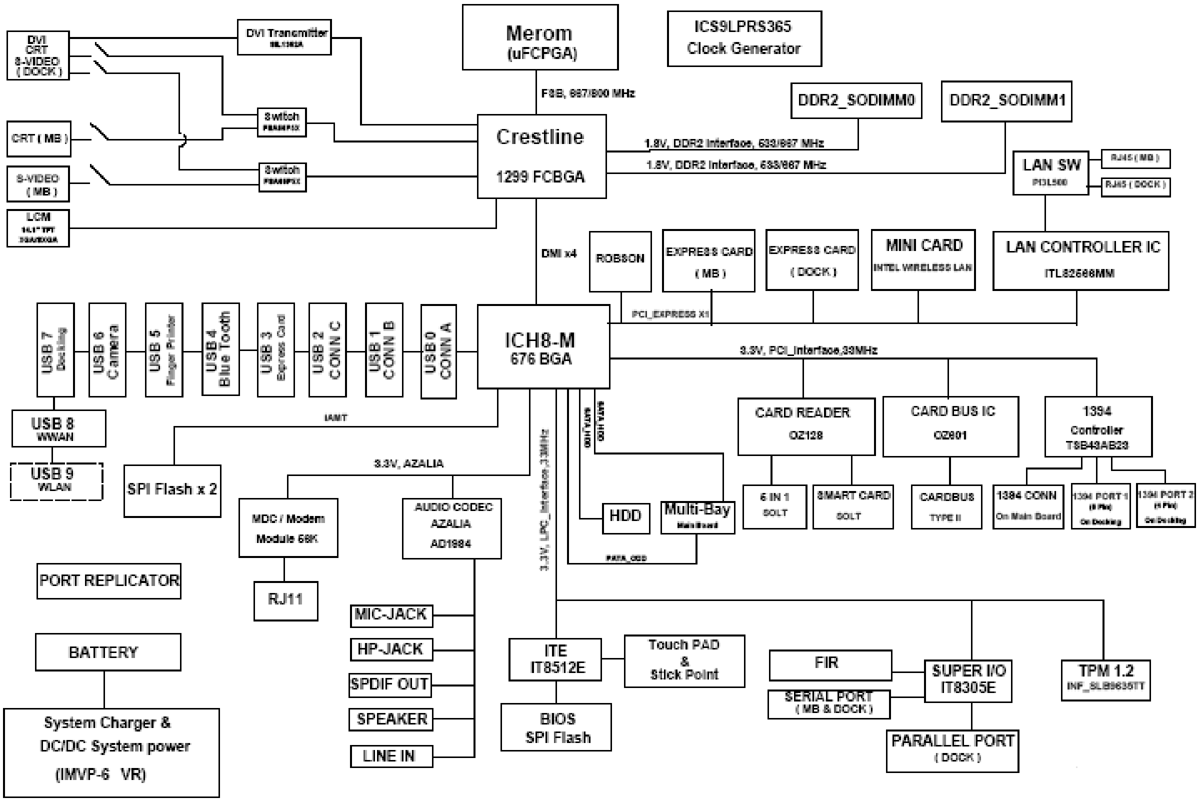
- Line-In
- RJ11/RJ45
- DC Jack
- 1394 port
- Cardbus
- 5 in 1 card reader
- 1* Serial port
- EZ II / II+ connector

Environment

- Temperature:
    - operating: 5°C to 35°C
    - Non-operating: -20°C to 65°C
- Humidity (non-condensing):
    - operating: 20%~80%
    - Non-operating: 20%~80%

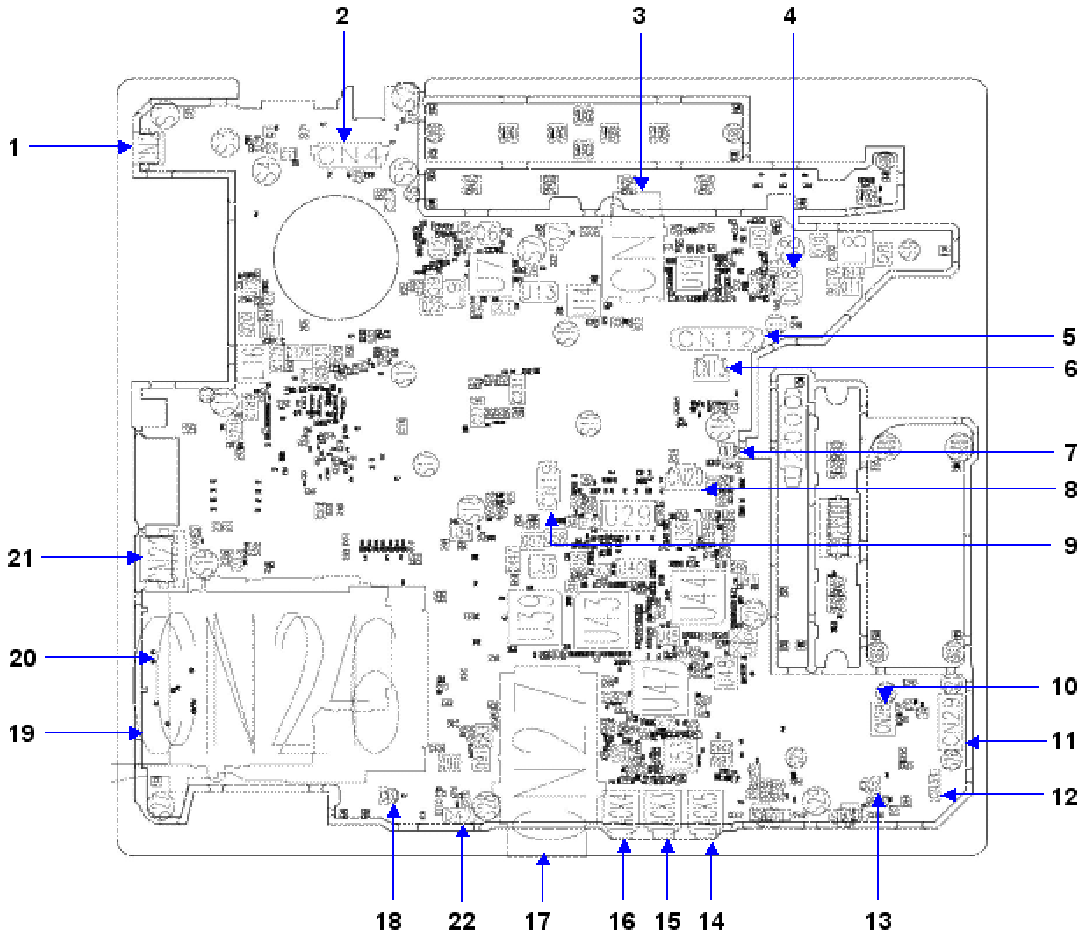
For a complete list of specifications see “Hardware Specifications and Configurations” on page 35.

System Block Diagram



Mainboard Layout

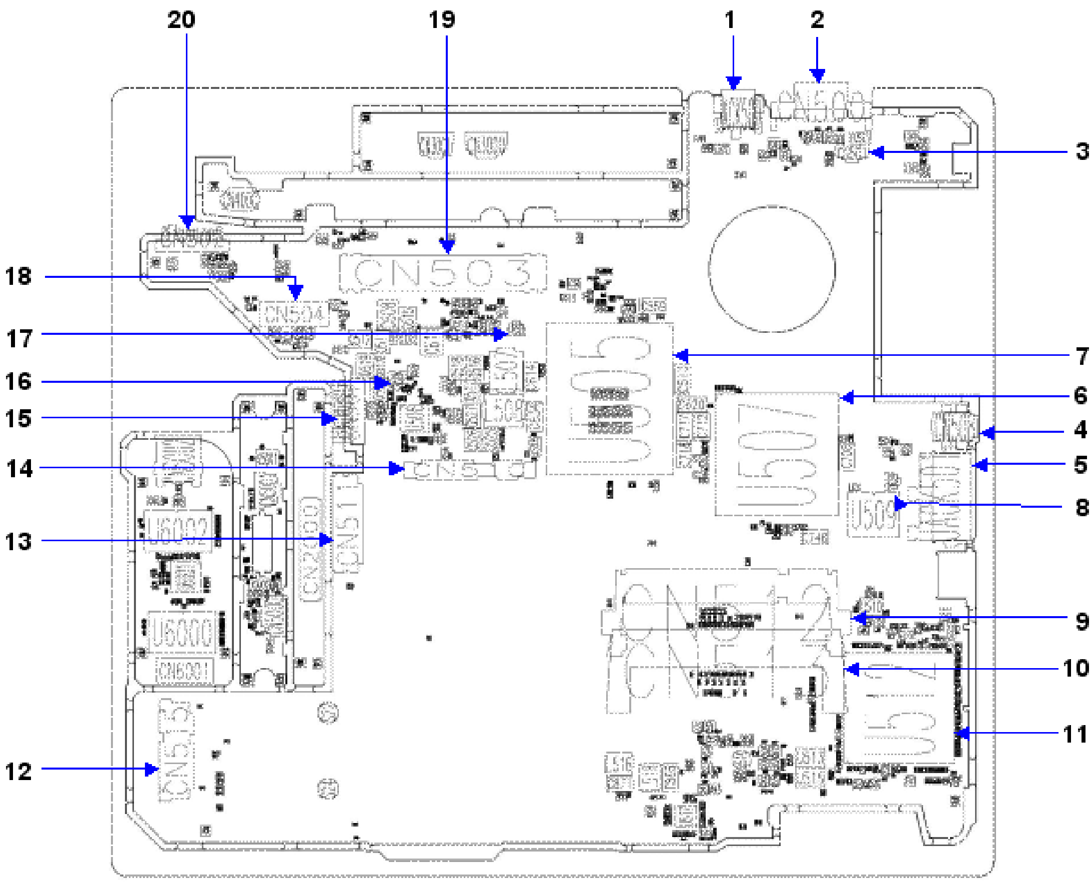
Top View



Item	Name	Description	Item	Name	Description
1	CN2	S-Video	12	CN34	Bluetooth Cable CNTR
2	CN4	LCM Cable CNTR	13	CN32	Speaker Cable CNTR
3	CN7	3G Card CNTR	14	Jack5	Headphone Jack
4	CN8	Hot Keyboard CNTR	15	Jack3	Line-In Jack
5	CN12	Keyboard FFC CNTR	16	Jack4	MIC Jack
6	CN13	Fine Track FFC CNTR	17	CN27	5 in 1 Card Reader Socket
7	CN18	MIC Cable CNTR	18	CN33	Speaker CAble CNTR
8	CN20	TouchPad FFC CNTR	19	CN24	PCMCIA Socket

Item	Name	Description	Item	Name	Description
9	CN19	SmartCard CAble CNTR	20	CN26	PCMCIA Socket
10	CN28	MDC CNTR	21	CN22	USB
11	CN29	IO Board CNTR	22	D47	IR Receiver

Bottom View



Item	Name	Description	Item	Name	Description
1	Jack500	DC In Jack	11	U512	South Bridge
2	CN500	Serial Port	12	CN515	W/LAN Card CNTR
3	CN501	Fan Cable CNTR	13	CN511	ODD CNTR
4	CN508	1394	14	CN510	HDD CNTR

Item	Name	Description	Item	Name	Description
5	Jack501	Ethernet jack and RJ11 Jack	15	CN507	Second Battery CNTR
6	U507	North Bridge	16	CN506	RTC Battery CNTR
7	U505	CPU Socket	17	CN505	MDC Cable CNTR
8	CN509	MDC Cable CNTR	18	CN504	MainBoard and IO Board CNTR
9	CN512	DIMM Socket	19	CN503	Docking CNTR
10	CN513	DIMM Socket	20	CN502	Battery CNTR

Your Acer Notebook tour

After knowing your computer features, let us show you around your new TravelMate 6492 computer.

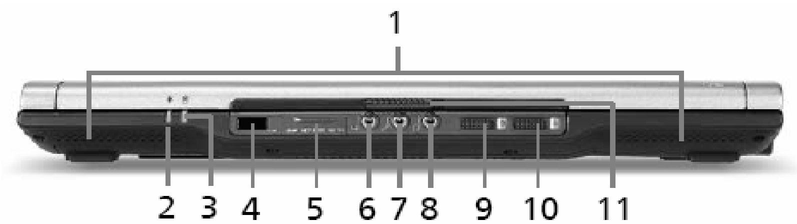
Front View



#	Item	Description
1	Acer Crystal Eye	Web camera for video communication (for selected models).
2	Display screen	Also called Liquid-Crystal Display (LCD), displays computer output.
3	Acer Fine Touch Keyboard	For entering data into your computer.
4	Acer Fine Track	Touch-sensitive pointing device which functions like a computer mouse when used together with the click buttons.
5	Acer Bio-Protection fingerprint reader	The center button serves as Acer Bio-Protection fingerprint reader supporting Acer FingerNav 4-way control function. (for selected models).
6	Touchpad	Touch-sensitive pointing device which functions like a computer mouse.
7	Status indicators	Light-Emitting Diodes (LEDs) that light up to show the status of the computer's functions and components.

8	Click buttons (left, center and right)	The left and right buttons function like the left and right mouse buttons; the center button serves as a 4-way scroll button.
9	Palmrest	Comfortable support area for your hands when you use the computer.
10	FineTrack buttons (left and right)	Function like the left and right mouse buttons when used together with the center-keyboard FineTrack.
11	Power button	Turns the computer on and off.
12	Status indicators	Light-Emitting Diodes (LEDs) that light up to show the status of the computer's functions and components.
13	Easy-launch buttons	Buttons for launching frequently used programs.
14	Microphone	Internal microphone for sound recording.

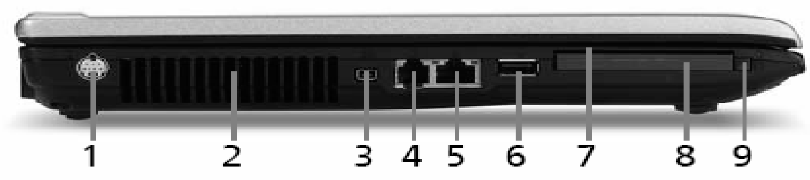
Closed Front View



#	Icon	Item	Description
1		Speakers	Left and right speakers deliver stereo audio output.
2		Power indicator	Indicates the computer’s power status.
3		Battery indicator	Indicates the computer’s battery status.
4		Infrared port/CIR receiver	Interfaces with infrared devices (e.g, infrared printer and IR-aware computer)/Receives signals from a remote control.
5		5-in-1 card reader	Accepts Secure Digital (SD), MultiMediaCard (MMC), Memory Stick (MS), Memory Stick PRO (MS PRO), xD-Picture Card (xD).
6		Line-in jack	Accepts audio line-in devices (e.g., audio CD player, stereo walkman).
7		Microphone-in jack	Accepts input from external microphones.
8		Headphones/ speaker/line-out jack with S/PDIF support	Connects to audio line-out devices (e.g., speakers, headphones).
9		Bluetooth® communication button/indicator	Enables/disables the Bluetooth® function. Indicates the status of Bluetooth communication.

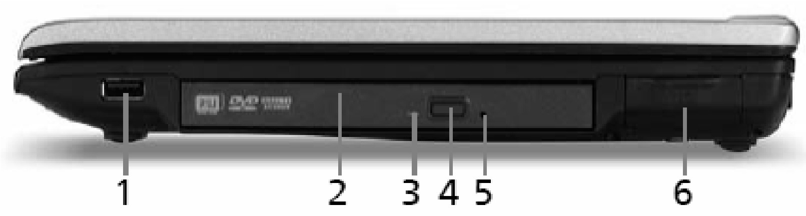
10		Wireless communication button/indicator	Enables/disables the wireless function. Indicates the status of wireless LAN communication.
11		Latch	Locks and released the lid.

Left View



#	Icon	Item	Description
1		S-video/TV-out (NTSC/PAL) port	Connects to a television or display device with S-video input.
2		Ventilation slots	Enable the computer to stay cool, even after prolonged use.
3	1394	4-pin IEEE 1394 port	Connects to IEEE 1394 devices.
4		Modem (RJ-11) port	Connects to a phone line.
5		Ethernet (RJ-45)	Connects to an Ethernet 10/100/1000-based network (for selected models).
6		USB 2.0 port	Connects to USB 2.0 devices (e.g., USB mouse, USB camera).
7		SmartCard slot	Accepts the TravelMate SmartCard
8		PC Card slot	Accepts one Type II PC Card.
9		PC Card slot eject button	Ejects the PC Card from the slot.

Right View



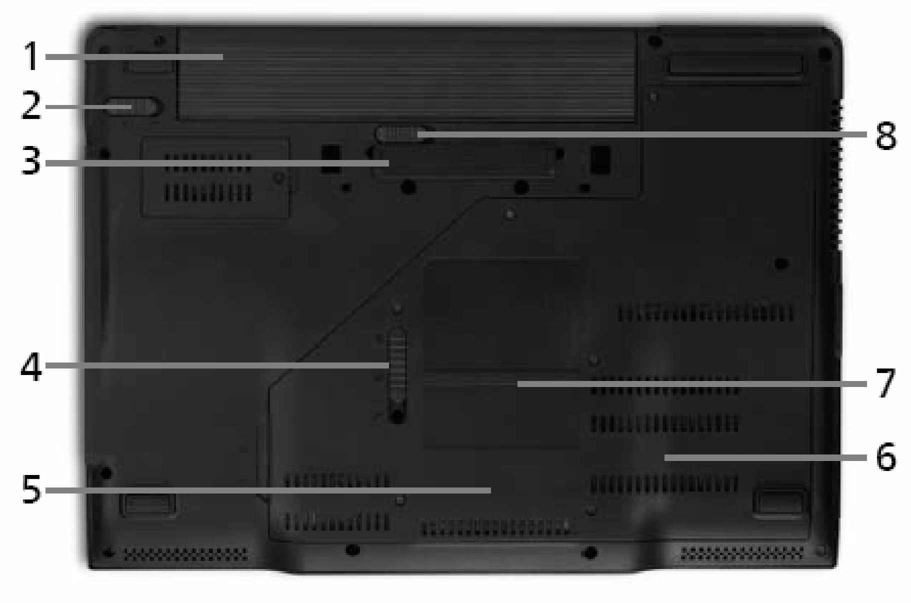
#	Icon	Item	Description
1		USB 2.0 port	Connect to USB 2.0 devices (e.g., USB mouse, USB camera).
2		Acer MediaBay optical drive	Internal optical drive; accepts CDs or DVDs (slot-load or tray-load depending on model).
3		Optical disk access indicator	Lights up when the optical drive is active.
4		Optical drive eject button	Ejects the optical disk from the drive.
5		Emergency eject hole	Ejects the optical drive tray when the computer is turned off.
6	IOIOI	Serial port	Connects to a serial device.

Rear view



#	Icon	Item	Description
1		USB 2.0 port	Connect to USB 2.0 devices (e.g., USB mouse, USB camera).
2		DC-IN jack	Connects to an AC adapter.
3		External display (VGA) port	Connects to a display device (e.g., external monitor, LCD projector).
4		Kensington lock slot	Connects to a Kensington-compatible computer security lock.

Base view



#	Item	Description
1	Battery bay	Houses the computer’s battery pack.
2	Battery lock	Locks the battery in position.
3	ezDock II/II+ connector	Connects to the Acer ezDock II/II+.
4	Acer MediaBay release latch	Lock or unlock the Acer MediaBay device.
5	Hard disk bay	Houses the computer’s hard disk (secured with screws)
6	Memory compartment	Houses the computer’s main memory.
7	Acer DASP	Disk Anti-Shock Protection.
8	Battery latch	Release the battery pack.

Indicators

The computer has several easy-to-read status indicators.



The front panel indicators are visible even when the computer cover is closed up.

Icon	Function	Description
	Cap lock	Lights when Cap Lock is activated
	Num lock	Lights when Num Lock is activated.
	HDD	Indicates when the hard disc or optical drive is active.
	Wireless LAN	Indicates the status of wireless LAN communication.
	Bluetooth	Indicates the status of Bluetooth communication.
	Battery	Lights up when the battery is being charged.
	Power	Lights up when the computer is on.

Note: 1. **Charging:** The light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.

Easy-Launch Buttons

Located above the keyboard are four buttons. These buttons are called easy-launch buttons. They are: mail Web browser, Empowering Key " e "and one user-programmable button.

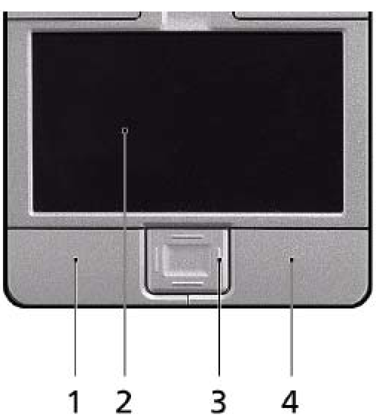
Press " e " to run the Acer Empowering Technology. The mail and Web browser buttons are pre-set to email and Internet programs, but can be reset by users. To set the Web browser, mail and programmable buttons, run the Acer Launch Manager.



Launch key	Default application
e	Acer Empowering Technology (user-programmable)
P	User-programmable
Web browser	Internet browser (user-programmable)
Mail	Email application (user-programmable)

Touchpad Basics

The following teaches you how to use the touchpad:



- Move your finger across the touchpad (2) to move the cursor.
- Press the left (1) and right (4) buttons located beneath the touchpad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad

is the same as clicking the left button.

- Use the 4-way scroll (3) button to scroll up or down and move left or right a page. This button mimics your cursor pressing on the right scroll bar of Windows applications.

Function	Left Button (1)	Right Button (4)	Main touchpad (2)	Center button (3)
Execute	Click twice quickly		Tap twice (at the same speed as double-clicking the mouse button)	
Select	Click once		Tap once	
Drag	Click and hold, then use finger on the touchpad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the touchpad on the second tap and drag the cursor.	
Access context menu		Click once		
Scroll				Click and hold to move up/down/left/right.

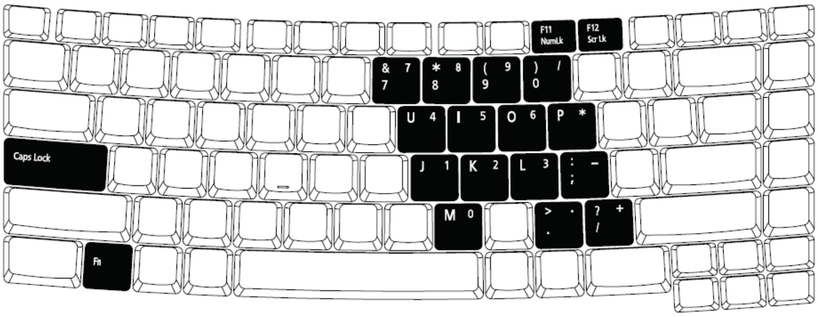
Note: When using the touchpad, keep it - and your infers - dry and clean. The touchpad is sensitive to finger movements; hence, the lighter the touch, the better the response. Tapping too hard will not increase the touchpad's responsiveness.

Using the Keyboard

The keyboard has full-sized keys and an embedded keypad, separate cursor keys, two Windows keys and twelve function keys.

Lock Keys and embedded numeric keypad

The keyboard has three lock keys which you can toggle on and off.



Lock Key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num lock <Fn>+<F11>	When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad.
Scroll lock <Fn>+<F12>	When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications.

The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

Desired Access	Num Lock On	Num Lock Off
Number keys on embedded keypad	Type numbers in a normal manner.	
Cursor-control keys on embedded keypad	Hold <Shift> while using cursor-control keys.	Hold <Fn> while using cursor-control keys.
Main keyboard keys	Hold <Fn> while typing letters on embedded keypad.	Type the letters in a normal manner.

Windows Keys

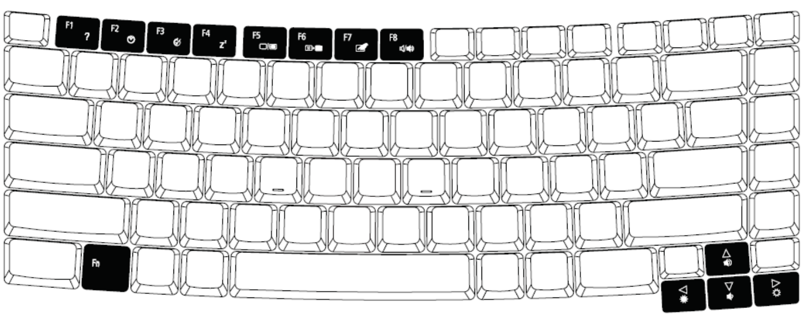
The keyboard has two keys that perform Windows-specific functions.

Key	Icon	Description
Windows key		Pressed alone, this key has the same effect as clicking on the Windows Start button; it launches the Start menu. It can also be used with other keys to provide a variety of function: + <Tab> Activates next taskbar button. + <E> Opens the My Computer window + <F1> Opens Help and Support. + <F> Opens the Find: All Files dialog box. + <R> Opens the Run dialog box. + M Minimizes all windows. <Shift>+ + <M> Undoes the minimize all windows action.
Application key		This key has the same effect as clicking the right mouse button; it opens the application's context menu.

Hot Keys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness, volume output and the BIOS utility.

To activate hot keys, press and hold the **<Fn>** key before pressing the other key in the hotkey combination.

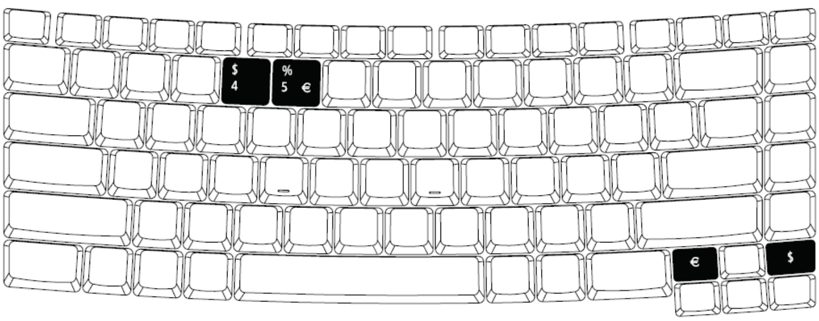


Hot Key	Icon	Function	Description
<Fn>+<F1>	?	Hot key help	Displays help on hot keys.
<Fn>+<F2>		Acer eSetting	Launches the Acer eSettings in Acer eManager.
<Fn>+<F3>		Acer ePowerManagement	Launches the Acer ePowerManagement in Acer Empowering Technology. **See "Acer Empowering Technology" on page 19**.
<Fn>+<F4>	z^z	Sleep	Puts the computer in Sleep mode.

Hot Key	Icon	Function	Description
<Fn>+<F5>		Display toggle	Switches display output between the display screen, external monitor (if connected) and both.
<Fn>+<F6>		Screen blank	Turns the display screen backlight off to save power. Press any key to return.
<Fn>+<F7>		Touchpad toggle	Turns the internal touchpad on and off.
<Fn>+<F8>		Speaker toggle	Turns the speakers on and off.
<Fn>+<w>		Volume up	Increases the speaker volume.
<Fn>+<y>		Volume down	Decreases the speaker volume.
<Fn>+<-x>		Brightness up	Increases the screen brightness.
<Fn>+<z>		Brightness down	Decreases the screen brightness

Special Key

You can locate the Euro symbol and US dollar sign at the upper-center and/or bottom-right of your keyboard. To type:



The Euro symbol

1. Open a text editor or word processor.
2. Either directly press the **< € >** symbol at the bottom-right of the keyboard, or hold **<Alt Gr>** and then press the**<5>** symbol at the upper-center of the keyboard.

   Note: Some fonts and software do not support the Euro symbol. Please refer to www.microsoft.com/typography/faq/faq12.htm for more information.

The US dollar sign

1. Open a text editor or word processor.
2. Either directly press the **< $ >** key at the bottom-right of the keyboard, or hold **<Shift>** and then press the **<4>** key at the upper-center of the keyboard.

   Note: This function varies by the operating system version.

Acer Empowering Technology

Acer's innovative Empowering Technology makes it easy for you to access frequently used functions and manage your new Acer notebook. It features the following handy utilities:

- **Acer eDataSecurity Management** protects data with passwords and advanced encryption algorithms.
- **Acer eLock Management** limits access to external storage media.
- **Acer ePerformance Management** improves system performance by optimizing disk space, memory and registry settings.
- **Acer eRecovery Management** backs up/recovers data flexibly, reliably and completely.
- **Acer eSettings Management** accesses system information and adjusts settings easily.
- **Acer ePower Management** extends battery power via versatile usage profiles.
- **Acer ePresentation Management** connects to a projector and adjusts display settings conveniently.



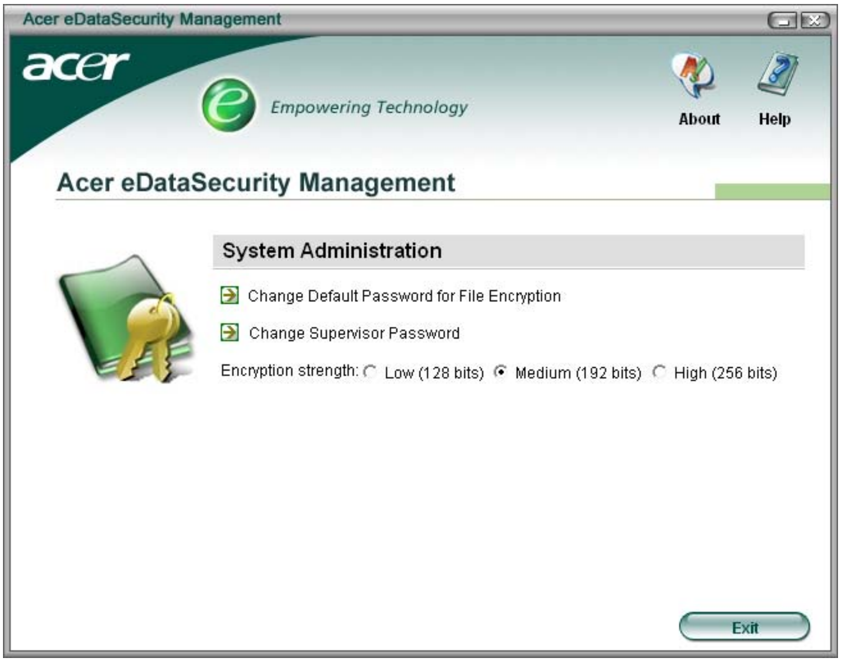
For more information, press the < e > key to launch the Empowering Technology menu, then click on the appropriate utility and select the Help function.

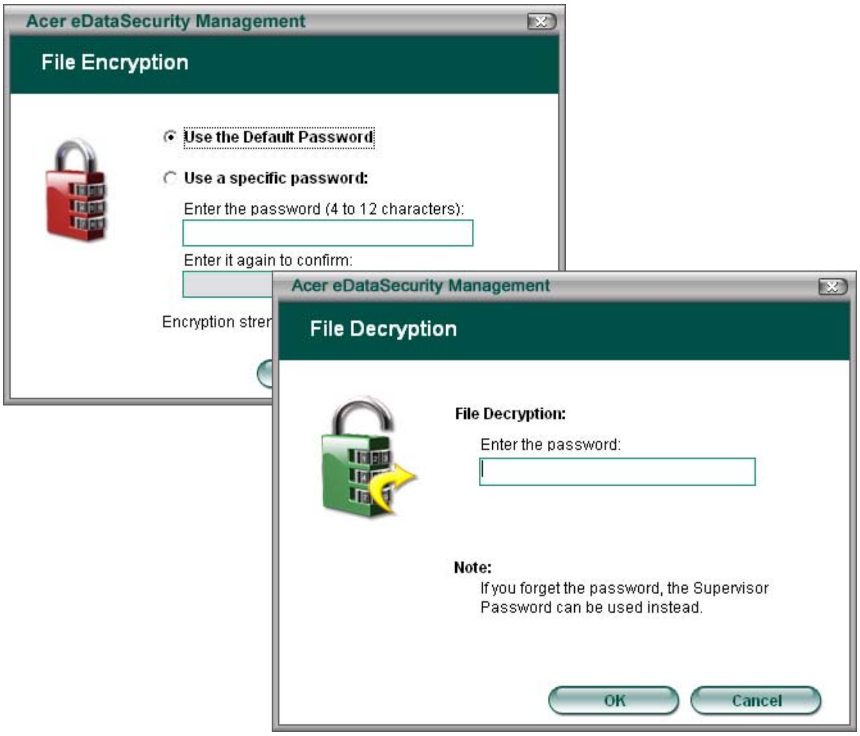
Acer eDataSecurity Management

Acer eDataSecurity Management is handy file encryption utility that protects your files from being accessed by unauthorized persons. It is conveniently integrated with Windows explorer as a shell extension for quick and easy data encryption/decryption and also supports on-the-fly file encryption for MSN Messenger and Microsoft Outlook.

There are two passwords that can be used to encrypt/decrypt a file; the supervisor password and the file-specific password. The supervisor password is a “master” password that can decrypt any file on your system; the file-specific password will be used to encrypt files by default, or you can choose to enter your own file-specific password when encrypting a file.

> **Note:** The password used encrypt a file is the unique key that the system needs to decrypt it. If you lose the password, the supervisor password is the only other key capable of decrypting the file. If you lose both passwords, there will be no way to decrypt your encrypted file! **Be sure to safeguard all related passwords!**





Acer eLock Management

Acer eLock Management is a security utility that allows you to lock up your removable data, optical and floppy drives to ensure that data can't be stolen while your notebook is unattended.

- Removable data devices - includes USB disk drives, USB pen drives, USB flash drives, USB MP3 drives, USB memory card readers, IEEE 1394 disk drives and any other removable disk drives that can be mounted as a file system when plugged into the system.
- Optical drive devices - includes any kind of CD-ROM or DVD-ROM drives.
- Floppy disk drives - 3.5-inch disks only.

To activate Acer eLock Management, a password must be set first. Once set, you may apply lock to any of the three kinds of devices. Lock(s) will immediately be set without any reboot necessary, and will remain locked after rebooting, until unlocked.

If you do not set a password, Acer eLock Management will reset back to the initial status with all locks removed.

Note: If you lose your password, there is no method to reset it except by reformatting your notebook or taking your notebook to an Acer Customer Service Center. Be sure to remember or write down your password.



Acer ePerformance Management

Acer ePerformance Management is a system optimization tool that boosts the performance of your Acer notebook. It provides you with the following options to enhance overall system performance:

- Memory optimization - releases unused memory and check usage.
- Disk optimization - removes unneeded items and files.
- Speed optimization - improves the usability and performance of your Windows XP system.



Acer eRecovery Management

Acer eRecovery Management is a powerful utility that does away with the need for recovery disks provided by the manufacturer. The Acer eRecovery Management utility occupies space in a hidden partition on your system's HDD. User-created backups are stored on D:\ drive. Acer eRecovery Management provides you with:

- Password protection.
- Recovery of applications and drivers.
- Image/data backup:
  - Back up to HDD (set recovery point).
  - Back up to CD/DVD.
- Image/data recovery tools:
  - Recover from a hidden partition (factory defaults).
  - Recover from the HDD (most recent user-defined recovery point).
  - Recover from CD/DVD.



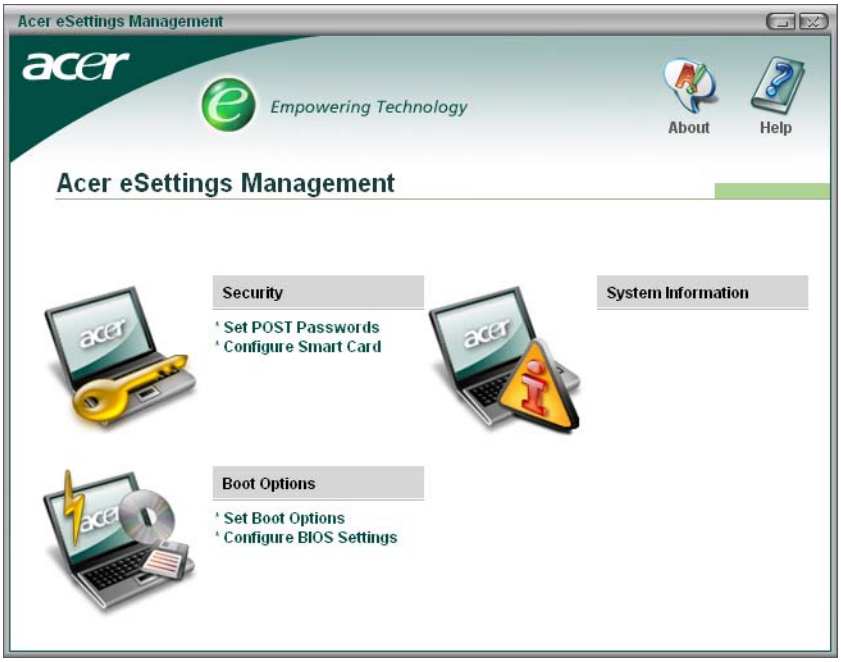
Note: If your computer did not come with a Recovery CD or System CD, please use Acer eRecovery Management's "System backup to optical disk" feature to burn a backup image to CD or DVD. To ensure the best results when recovering your system using a CD or Acer eRecovery Management, detach all peripherals (except the external Acer ODD, if your computer has one), including your Acer ezDock.

Acer eSettings Management

Acer eSettings Management allows you to inspect hardware specifications and to monitor the system health status. Furthermore, Acer eSettings Management enables you to optimize your Windows operating system, so your computer runs faster, smoother and better.

Acer eSettings Management also:

- Provides a simple graphical user interface for navigating through the program effortlessly.
- Displays general system status and advanced monitoring for power users.
- Logs when a hardware component has been removed or replaced.
- Permits you to migrate personal settings.
- Keeps a history log of all alerts that were previously issued.



Acer ePower Management

Acer ePower Management features a straightforward user interface. To launch it, select Acer ePower Management from the Empowering Technology interface, or double-click the Acer ePower Management icon in the task tray.

Acer Mode

The default setting is “Maximum Performance.” You can adjust CPU speed, LCD brightness and other settings, or click on buttons to turn the following functions on/off: Wireless LAN, Bluetooth, CardBus, Memory Card, Audio, and Wired LAN.

DC Mode

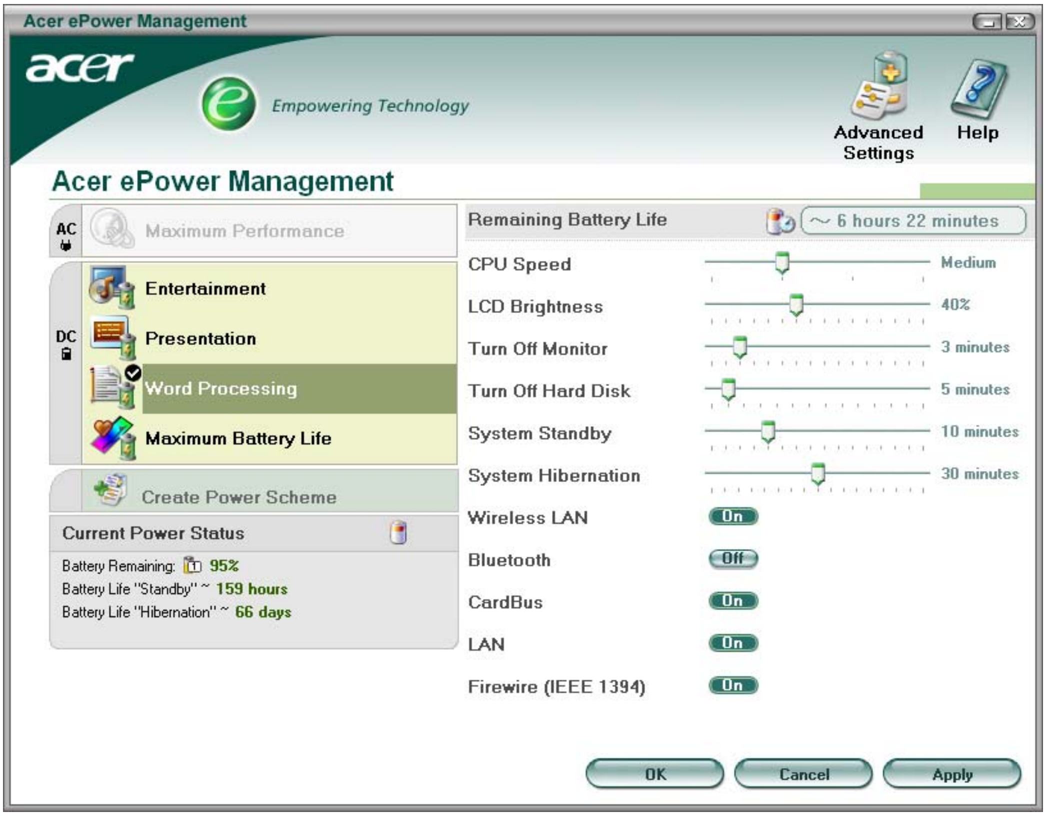
To suit your usage, there are four pre-defined profiles - Entertainment, Presentation, Word Processing, and Maximum Battery. Or, you can define up to three of your own profiles.

Create new power scheme

1. Assign a name for the new scheme.
2. Choose existing scheme to use as a template.
3. Select whether used for mains (AC) or battery mode.
4. Choose which power options best fit your needs, then click OK.
5. The new profile will appear on the main screen.

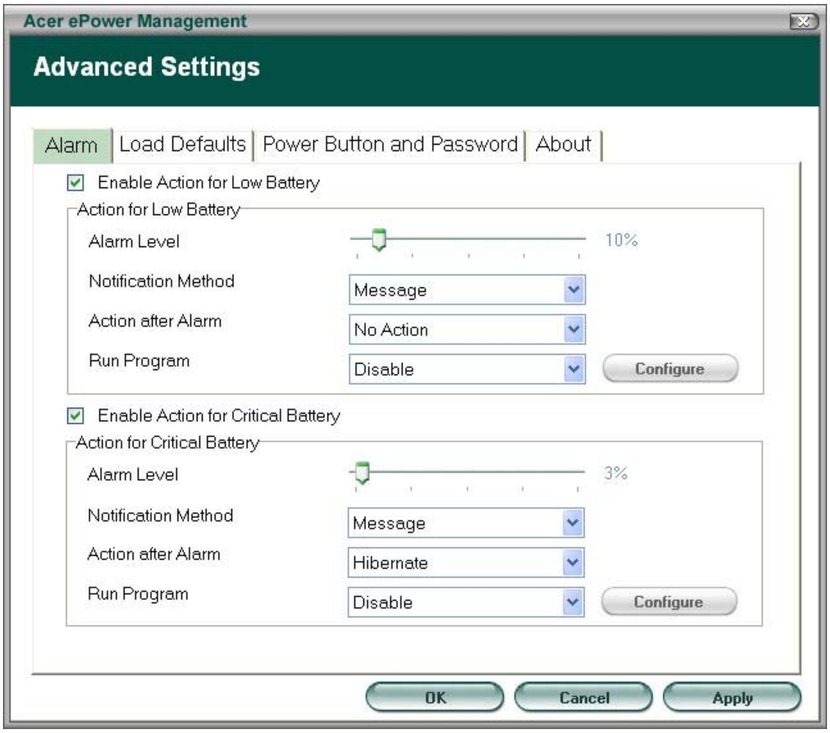
Battery status

For real-time battery life estimates based on current usage, refer to the panel on the lower left-hand side of the window.



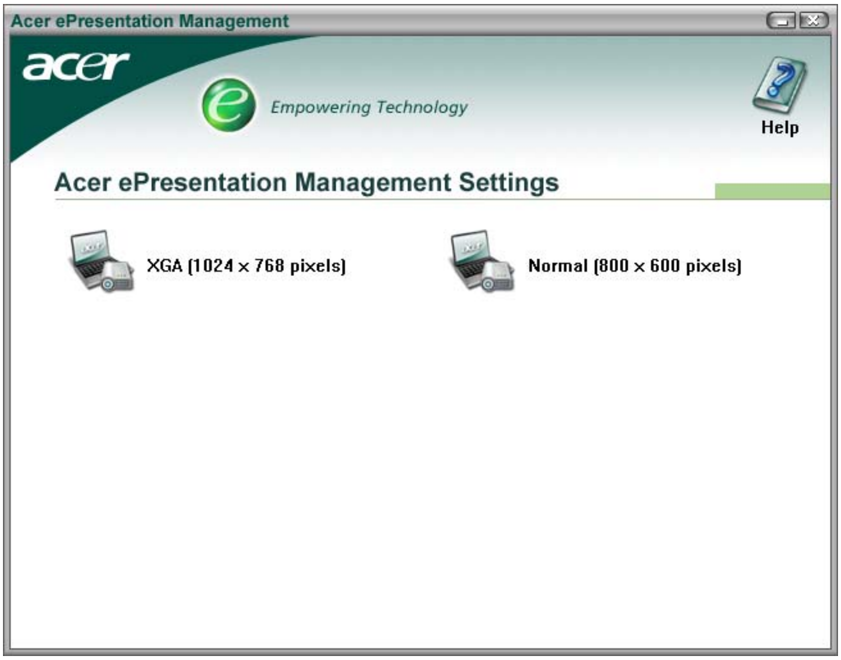
You can also click “Advanced Settings” to:

- Set alarms.
- Re-load factory defaults.
- Select what actions will be taken when the cover is closed, and set passwords for accessing the system after Hibernation or Standby.
- View information about Acer ePower Management.



Acer ePresentation Management

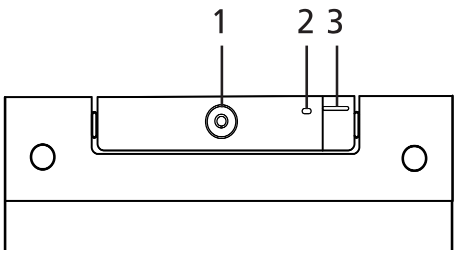
Acer ePresentation Management lets you select from two of the most common projector resolutions: XGA and SVGA.



Acer OrbiCam

The Acer OrbiCam is a 1.3 megapixel CMOS camera appropriately mounted on the top of the LCD panel. The camera's 225-degree ergonomic rotation allows you to capture high-resolution photos or videos up front or at the back of the LCD panel. The Acer OrbiCam fully supports the Acer Video Conference technology so that you can transmit the best video quality over an instant Messenger service.

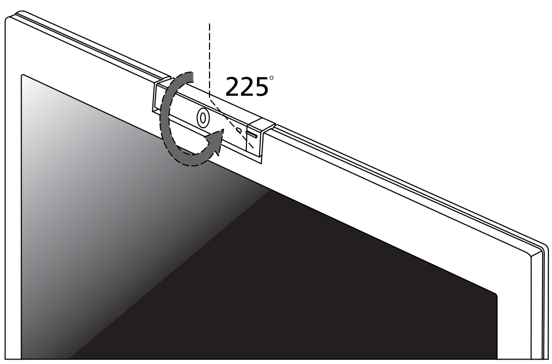
Getting to know your Acer OrbiCam



No.	Item
1	Lens
2	Power indicator
3	Rubber grip (selected models only)

Rotating the Acer Orbicam

The Acer OrbiCam rotates 225 degrees counterclockwise to achieve the desired angle. Refer to the illustrations below:



For your convenience, the camera snaps 45 degrees to match the position of your face in front or at the back of the LCD panel.

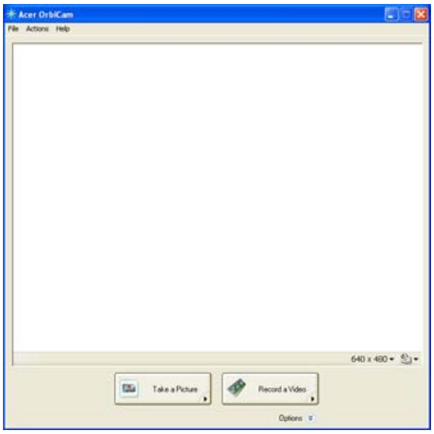
Note: Do not rotate the camera clockwise to prevent damage to the device.

Launching the Acer OrbiCam

To launch the Acer OrbiCam, double click on the Acer OrbiCam icon on the screen.

OR

Click Start > All programs > Acer > Acer OrbiCam. The Acer OrbiCam capture windows window appears.



Changing the Acer OrbiCam settings

Resolution

To change the capture resolution, click the displayed resolution at the bottom right corner of the capture window, then select the desired resolution.

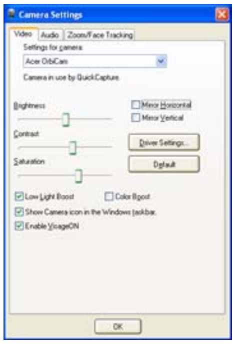
Options

Click Options to display the Window, Preview, and Folder tabs. Use the options to change the capture window size, preview settings, and the folder for captured photos or videos.



Camera Settings

- Basic settings: Click the Camera Settings icon on the bottom right corner of the capture display, then select Camera Settings from the pop-up menu. You can adjust the Video, Audio, and Zoom/Face tracking options from this window.



- Capture settings: From the Camera Settings window, click the Driver Settings button. The Properties window will appear.



- Device Settings allows you to change the camera brightness, contrast, hue, saturation, sharpness, etc.
- Advanced Settings allows you to achieve gain control, implement image mirror, select image enhancements and anti-flicker settings, and turn on/off the camera indicator.
- Zoom/Face Track Settings allows you to adjust the zoom level and turn the face tracking feature on or off.

Capturing photos or videos

To capture a photo or a video clip, rotate the Acer OrbiCam to get the desired angle, then click the Take a Picture or Record a Video button. The Windows Picture and Fax Viewer or the Windows Media Player automatically launches to display or play a preview of the photo/video clip.

Note: By default, all photos and videos are saved in the My Pictures and My Videos folder.

Using the Acer OrbiCam as webcam

The Acer OrbiCam is automatically selected as the capture device of any instant messenger (IM) application. To use the Acer OrbiCam as a webcam, open the IM service, then select the video/webcam feature. You can now broadcast from your location to an IM partner anywhere in the world.

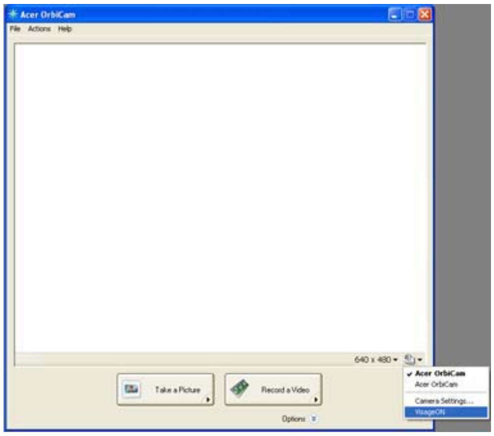
Enabling the Acer VisageON

The Acer VisageON technology comes with two features: Face tracking and Video effects (selected models only). The Face Tracking feature tracks your head movement and automatically centers your face in the capture window. The video effects feature allows you to select and apply an effect to your video transmissions.

Note: The face tracking feature is not capable of centering your face beyond the capture window frame. Minimal head movements are tracked more efficiently.

To enable the Acer VisageON:

1. Right click on this icon, then select VisageON from the pop-up menu.



The VisageON window appears as below:

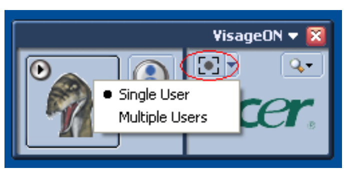


2. Select and apply a video effect in the left section of the VisageON window. Change the face tracking settings and options in the right section.

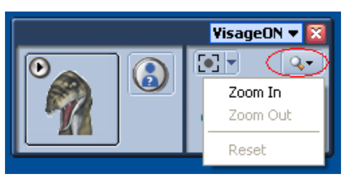
Using the face tracking feature

To use the face tracking feature:

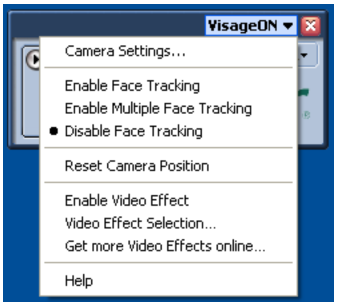
1. Click the left icon down arrow button, then select Single User or Multiple Users from the pop-up menu. For multiple users, the face tracking feature automatically centers all the users' face in the capture window, otherwise the utility centers the face of the user closest to the camera.



2. Click the right icon to zoom in/out or reset the current view.



3. Click VisageON to display a menu that allows to change the configuration of the camera, face tracking and video effects settings.



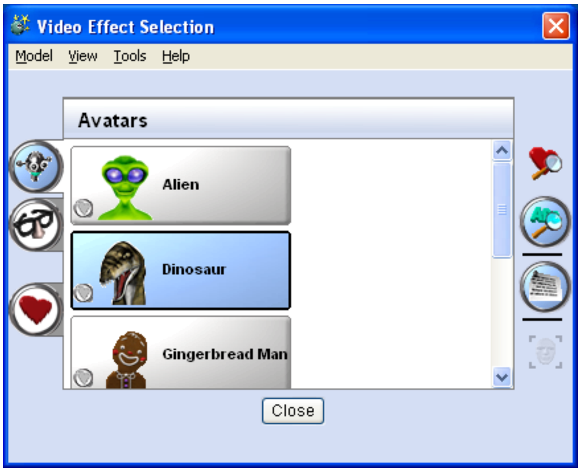
Using video effects (selected models only)

The Video Settings section allows you to select an avatar or accessory video effect from the list. To select an effect:

1. Click the encircled icon to display the available video effects. The Video Effect Selection window appears as below:



2. Click on a video effect to use. The selected effect appears in the video effects section of the VisageON window.



Note: When using avatars, you may have to calibrate the face points to achieve better tracking. Follow screen instructions in the VisageON to continue.

Note: You may use video effects when using the camera for IM chat/video sessions or call conferences.

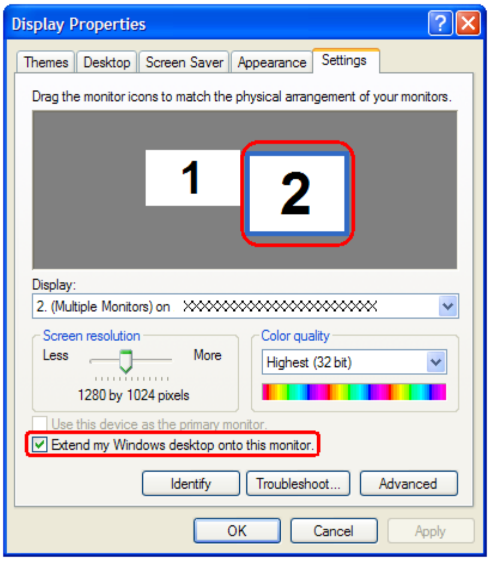
Using the System Utilities

Note: The system utilities work under Microsoft Windows XP only.

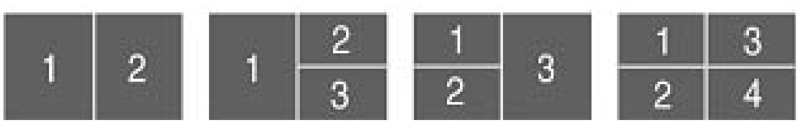
Acer GridVista (dual-display compatible)

Note: This feature is only available on certain models.

To enable the dual monitor feature of the notebook, first ensure that the second monitor is connected, then select **Start, Control Panel, Display** and click on **Settings**. Select the secondary monitor **(2)** icon in the display box and then click the check box **Extend my windows desktop onto this monitor**. Finally, click **Apply** to confirm the new settings and click **OK** to complete the process.



Acer GridVista is a handy utility that offers four pre-defined display settings so you can view multiple windows on the same screen. To access this function, please go to **Start>All Programs** and click on **Acer GridVista**. You may choose any one of the four display settings indicated below:

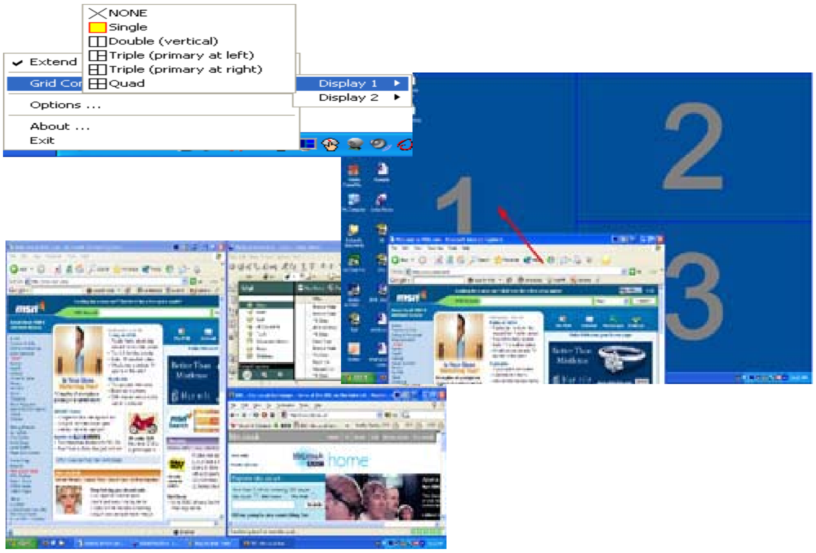


Double (vertical), Triple (primary at left), Triple (primary at right), or Quad Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

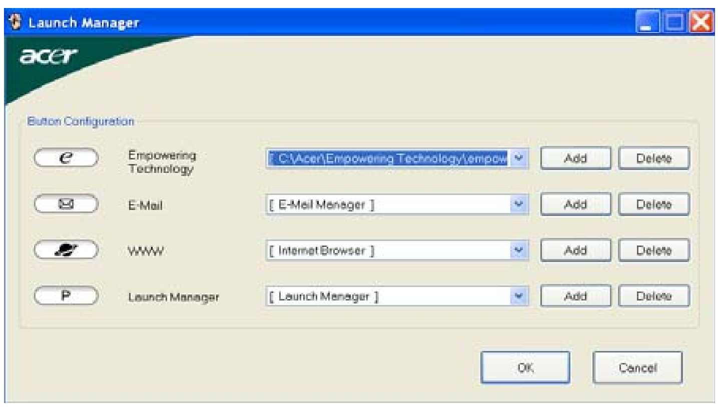
AcerGridVista is simple to set up:

1. Run Acer GridVista and select your preferred screen configuration for each display from the task bar.
2. Drag and drop each window into the appropriate grid.
3. Enjoy the convenience of a well-organized desktop.



Note: Please ensure that the resolution setting of the second monitor is set to the manufacturer's recommended value.

Launch Manager



Launch Manager allows you to set the four easy-launch buttons located above the keyboard. You can access the Launch Manager by clicking on Start > All Programs > Launch Manager to start the application.

Hardware Specifications and Configurations

Core System

Item	Description	Specifications
1	CPU	Mobile Intel Core 2 Duo Mobile Processor Package: Micro-FCPBA 478-pin Features: • Dual core processor for mobile with enhanced performance • Support Intel Architecture with Intel Wide Dynamic Execution • Support L1 Cache to Cache (C2C) transfer • On-die, primary 32-KB instruction cache and 32-KB write-back data cache in each core • On-die, up to 4-MB second level shared cache with Advanced Transfer Cache Architecture • Streaming SIMD Extensions (SSE2), Streaming SIMD Extensions (SSE3) and Core New Instruction (CNI) • 533, 667, and 800 MHz Source-Synchronous Frond Side Bus (FSB) • Advanced power management features including Enhanced Intel Speedstep Technology and Dynamic FSB frequency switching • Digital Thermal Sensor (DTS) • Micro-FCPGA and Micro-FCBGA packaging technology • Execute Disable Bit support for enhanced security • Intel 64 Technology (Intel 64T) • Support Enhanced Intel Virtualization Technology • Intel Dynamic Acceleration Technology and Enhanced Multi Threaded Thermal Management (EMTTM) • Supports PSI2 functionality

Core System

Item	Description	Specifications
2	North Bridge	Intel 965GM (North Bridge) Package: FCBGA 1299 balls Features: • Source synchronous double-pumped (2x) address • Source synchronous quad-pumped (4x) data • Support for Dynamic FSB Frequency Switching • 12-deep in-order queue to pipeline FSB commands • AGTL+ bus driver with integrated AGTL termination resistors • Supports Dual Channel DDR2 SDRAM • One-SO-DIMM connector (or memory module) per channel • Maximum memory supported: 4GB • Intel Flex Memory Technology support • 64-bit wide per channel • Support for DDR2 at 667 MHz and 533 MHz • 256-Mb, 512-Mb, 1-Gb, and 2-Gb memory technologies supported • Support for x8 and x16 devices • Support for DDR2 On-Die Termination (ODT) • No support for ECC • Integrated Intel ActiveManagement Technology (Intel AMT) • Intel AMT 2.5 with both wired and wireless LAN support • Internal Graphics (GM965 only) • Mobile Intel Graphic Media Accelerator X3000 (Mobile Intel GMA X3000) • Support TV-out, LVDS, CRT and SVDO • Dynamic Video Memory Technology (DVMT 4.0) • Intel Smart 2D Display Technology (Intel S2DDT) • High performance MPEG-2 decoding • WMV9 (VC-1) and H.264 (AVC) support • Hardware acceleration for VLD/iDCT • Microsoft DirectX 9 and DirectX 10 support • Integrated 300-MHz RAMDAC for analog CRT • 25-112 MHz single/dual channel LVDS

Core System

Item	Description	Specifications
3	South Bridge	Intel ICH8ME (South Bridge) Package: mBGA 676 balls Features: • PCI Express Base Specification, Rev 1.1 support • ACPI Power Management Logic Support • Enhanced DMA controller, interrupt controller, and timer function • Integrated Serial ATA host controllers with independent DMA operation on three ports and AHCI support • Integrated IDE controller supports Ultra ATA100/66/33 • USB host interface with support for ten USB ports; five UHCI host controllers; two EHCI high-speed USB 2.0 host controllers • Integrated 10/100/1000 GbE MAC with circuit breaker • System Management Bus (SMBus) Specification, ver 2.0 with additional support for I2C devices • Supports Intel High Definition Audio (Intel HD Audio) • Support Intel Matrix Storage Technology • Support Intel AMT • Low Pin Count (LPC) interface • Firmware Hub (FWH) interface support • Serial Peripheral Interface (SPI) support • 6 PCIe ports
4	System clock	System clock chip: ICS ICS9LPRS365 or pin compatible device Package: 64 pin TSSOP Crystal and Oscillator: • Clock Synthesizer: 166/200Mhz for CPU, GMCH • 100MHz clock buffer for SRC and PCI-E device, SATA • 33Mhz PCI clock for PC device,SIO,LPC • 48MHZ — USB controller base clock ICH8 • 96MHZ — GM965 dot clock • 32.768Khz — ICH internal RTC and KBC base clock Power: 3.3V, 1.25V Features: • Support spread spectrum function, for reducing EMI. Support SM bus interface
5	Thermal IC	Analog Device ADM1032ARM Package: MSOP 8-pin Features: • Thermal sensor control Interface: I^2C bus, address: (9Ch)

Core System

Item	Description	Specifications
6	System memory	Package: DDR2 SDRAM in 84-ball FBGA Supply voltage: 1.8V±0.1V Speed: 667MHz / 533MHz (CL=4 or 5) Refresh: • Auto & self refresh capability • 7.8µs(max),Average periodic refresh interval Features: • Data is read or written on both clock edges • Address and control signals are fully synchronous to positive clock edge
7	BIOS ROM	WX25X80VSSIG ROM type: Organized as 8M×1 Package: 8 PIN SOIC (8.1mm×5.38mm) Block-Erase: uniform 64 KByte blocks Supply current: • Active current =5 mA (Typical) • Standby current=1 uA (Typical) Superior reliability: • Endurance: 100,000 cycles (Typical) • Greater than 20 years data retention

DISPLAY SUBSYSTEM

The 965GM contains a dual-channel 24-bit LVDS interface. Notice that for designs implementing only a single LVDS channel, the LOWER channel of the interface should be used.

- Integrated dual 24-bit LVDS interface.
- 595 Mbps/channel with 85 MHz pixel clock rate.
- FPDI-2 compliant; compatible with receivers from National Semiconductor, Texas Instruments, and THine.
- OpenLDI compliant excluding DC balancing.
- Programmable internal spread spectrum controller for the LVDS signals.
- LVDS eye pattern to improve testability of LVDS module

LCD Power On Sequence

LCD timing must follow up below specification to meet the minimum requirements.

- ENAVDD(LCDVCC)→ SHFCLK(DATA)--→BLON (power on sequence)
- BLON→SHFCLK(DATA)--→ENAVDD(LCDVCC) (power off sequence)

Note A: This timing depends on LCD specification

AUDIO SUBSYSTEM

Audio Codec

Audio chip: Realtek ALC268

Package: 48-pin LQFP 'Green' package

Features:

- All ADCs support 44.1K/48K/96K/192kHz sample rate
- All ADCs support 44.1K/48K/96kHz sample rate

- Support external PCBEEP input and built-in digital BEEP generator
- Power support: Digital:3.3V; Analog:3.3V~5.0V

Speaker Amplifier

Amplifier: GMT G1432

Package: Thin QFN 24-pin (4.8mm×4.8mm×1mm)

Features:

- 2W into 4O(1% THD+N)
- 2.6W into 4O(10% THD+N)
- Power supply ripple rejection 65dB PSRR
- Supply current in Mute mode (Typ:7mA)
- Low-Power Shutdown Mode: Typ 2 µA
- Mute and shutdown function

Audio Port

Internal:

- Two speakers
- Microphone

External:

- Microphone Jack
- Line-In Jack
- H-P Jack

PCMCIA SUBSYSTEM

PCMCIA controller for Socket

Part name: O2_OZ601TN

Package: 128pin LQFP

Compliant: PCI local bus specification Rev.2.3

Features:

- Supports SPKROUT CAUDIO and RIOUT#
- Supports standardized zoomed register model
- Support serialized IRQ interrupt and PCI interrupts
- Support PCI PME# from D3 cold

Power: 3.3V operation with I/O 5V tolerance

PC card power controller chip for CB714

Part name: Ti TPS2210A

Package: TSSOP 24-pin

Features:

- 1A output current for VCCOUT
- 100mA output current for VPPOUT

Power: Vcc=5V, 3.3V

I/O SUBSYSTEM

Keyboard

Dimension: 310 x 115 x 5.5 mm

Weight: 120 Gram (max)

Type: 84/88 key full size ergo keyboard

KEY number: TBD

Lift: TBD

Pointing Device

TravelMate 6492 uses touch pad as the pointing device. The touch pad module is connected to TP-Board through the FFC connector. The touchpad support 6 buttons (Left/Right button and 4-way button Function.

Touch pad: Synaptics TM61PUF1R544

Physical size: 40x67 mm

Weight: TBD

Active area: 38 x65 mm

Mini Card 802.11 a/g Module

Form factor: 59.6mm* 44.6mm* 3.3mm with 124 pins connector

Voltage Supply: 3.3Volts

Features:

- Support wireless data encryption with 64/128/152-bit WEP standard for security
- Allows auto fallback data rate for optimized reliability, throughput and transmission range
- Support Ad-hoc mode (peer-peer) and Infrastructure mode (client-sever) communication
- Dual diversity antenna connectors supported for the multi-path environment

I/O Port

I/O Support on the System

- CRT port --- Support CRT monitor.
- 3 * USB 2.0 ports
- MIC-In
- Line-In
- RJ11/RJ45
- DC Jack
- 1394 port
- Cardbus
- 5 in 1 card reader
- 1* Serial port
- EZ II / II+ connector

SYSTEM POWER PLANES

Power Plane	Active State	Control signal	Device
VCCRTC	Always	-	SB460, PC97551
VL	Always	-	
15V	Always	-	MOS Gate
5VPCU	Always	-	TPS51120
3VPCU	Always	-	NS PC97551, TPS51120
1.8V_S5	S0-S5	S5_ON	G913C, SB460
3V_S5	S0-S5	S5_ON	AO6402, RTL8100CL, MODEM
5V_S5	S0-S5	SUSON	USB
3VSUS	S0-S3	SUSON	SB460, MINI-PCI,AO6402
+2.5V	S0-S1	MAINON	G913-C, Athlon64
+1.8V	S0-S1	MAINON	AO6402, RS485, SB460, Athlon64
+1.5V	S0-S1	MAINON	G966, MINIPCI
+3V	S0-S1	MAINON	CLK Gen., AO6402, Athlon64, SB485, DDR2 SO-DIMM, LCD, PCMCIA, MINI-PCI, CODEC, PC97551
+5V	S0-S1	MAINON	SB460, CRT, LCD, PCMCIA, MINI-PCI, AUDIO, HDD, ODD, FAN, TP,
CPU_VCCA	S0-S1	MAINON	Athlon64 CPU, RS485
VCC_CORE	S0-S1	VRON	Athlon64 CPU
+VTT	S0-S1	VRON	Athlon64 CPU, TPS51116

1. VL/5VPCU/3VPCU: These power planes will always be turned on unless the AC adapter and battery pack is removed from the system. 5VPCU is the power source of +5V and 5V_S5 and 3VPCU is the power source of +3V, 3VSUS and 3V_S5.
2. VCCRTC: This power plane will always be turned on even when the AC adapter and battery pack is removed form the system. This battery backed up power is used by the RTC module inside the SB460.
3. 1.8V_S5/3V_S5/5V_S5: These power plane are used by SB460 Suspend/Resume power plane.
4. 3VSUS: These power planes will be stay on even when the system in the Suspend state
5. +1.5V/+1.8V/+3V/+5V: These power plane will be switch off when the system goes into the suspend mode.
6. 3V_S5/+5V_S5: This power plane will be stay on in S0 - S4 state and is used by devices that support D3 cold wake up.

Input Characteristics

Functions	Description
Input voltage	90V AC ~ 264V AC
Input frequency range	47 ~ 63 Hz
Maximum input AC current	3.42A
Inrush current	50A@115VAC100A@230VAC
Efficiency	85% min. @110VAC / 65W load85% min. @240VAC / 65W load

Output characteristics

Output Voltage	Load range (Min)	Load range (max)	Regulation	Ripple & Noise
+19v	0A	3.42A	+-5%	400mVp-p

Indicator: power LED (green)

Keyboard controller

Part name: iTE IT8152

Package: QFP 128-pin

Features:

- 8032 Embedded Controller
- LPC Bus Interface
- PS/2 interface for touchpad
- Flash Interface
- SM Bus Controller
- System Wake Up Control / Ec Wake Up Control
- Interrupt Controller
- ACPI PowerManagement Channel
- PWM With Smart Auto Fan Control

Supply current: Standby With Sleep Mode Current: 100uA

Speaker

Model: YYD2112G

Impedance: 4 Ohm ± 15% on 2100Hz

Rated input: 2 W

Lowest resonance frequency: 850Hz ± 20%

Output sound pressure level: 78db ± 3 dB at 1.0W

Dimension: TBD

Weight: TBD

SYSTEM LED Indicator

System LED Indicator

The following information provide the LED icon for TravelMate 6492 system.

- Battery LED
- Power/Suspend LED
- Wireless LED
- Bluetooth LED

POWER SPECIFICATION

System Power States

ZR3 supports 6 different power states in the system. The SB460 automatically controls the signals required to transition the system between the various power states and also informs the PC97551 to control the power planes as required.

The following table describes the different power states switching matrix:

Current State	Next State					
	Initial	ON	Standby	Suspend	Hibernate	Soft Off
Initial		(1)				
ON(S0)			(2)	(3)	(4)	(5)
Standby(S1)		(6)				
Suspend(S3)		(7)				

Hibernate(S4)		(8)				
Soft Off(S5)		(9)				

Mechanical off is a condition where all power except the RTC battery has been removed from the system.

1. Initial to On state: When the AC adapter or Battery pack has been plugged into the system, the PC97551 will be reset and initial all output pins then the system goes into Initial state and waiting for power on event. If the power button is pressed then the system will go into the ON state.
2. ON to Standby state: The system will go into the Standby state when 963L receives the POS command.
3. ON to Suspend state: The system will go into Suspend state when SB460 receives the S2R command.
4. ON to Hibernate state: The system will go into Hibernate state when SB460 receives the S2D command.
5. ON to Soft Off state: The system will go into Soft Off state when SB460 receives the Soft off command.
6. Standby to ON state: The system will go into ON state when the system receives any wake up events, for example, power button, Lid switch.
7. Suspend to ON state: The system will go into ON state when the power button is pressed.
8. Hibernate to ON state: The system will go into ON state when the power button is pressed.
9. Soft Off to ON state: The system will go into ON state when the power button is pressed.

Power Control Pin Description

The following table is NS PC97551 power control pin description:

State	Output Pin				
	S5_ON	3VAUXEN	SUSON	MAINON	VRON
Initial	0	0	0	0	0
ON(S0)	1	1	1	1	1
Standby(S1)	1	1	1	1	1
Suspend(S3)	1	1	1	0	0
Hibernate(S4)	1	1	0	0	0
Soft Off(S5)	1	0	0	0	0

Battery and Charger

Current Amplifier: MAX8724

Charge PWM Control: IMD2AT108

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Min Input Range	VA	18	19	20	V
Input Low Voltage	M/A-, D/C-, BL/C-, REFON			0.8	V
Input high Voltage	M/A-, D/C-, BL/C-, REFON	2.5		5.5	V
Charge Voltage	CV-SET =0V	15.93	16.09	16.25	V
Charge Voltage	CV-SET =5V	16.95	17.11	17.27	V
Charge Current	CC-SET =0.5V (for Li -ion)	0.1	0.25	0.4	A
Charge Current	CC-SET =5V (for Li-ion)	3.73	3.93	4.13	A
Charge PWM Frequency			200		KHz
Efficiency	VA=19V Output 12V/1.7A		91		%

3-13.1. DC to DC Converter

TI TPS51120 PWM chip: 5V & 3.3V &15V

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
5V	Current 0-3A	4.8	5.0	5.2	V
3.3V	Current 0-3A	3.14	3.35	3.76	V

TI TPS51120 PWM chip: 5V & 3.3V &15V

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
15V	Current 0-100mA	11.4	12	12.6	V
Output Current	5V	0		3	A
Output Current	3.3V	0		3	A
Output Current	15V	0		100	mA
Input Voltages	19V	8		20	V

Semtech G913-C PWM chip:2.5V

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Output Current	2.5V	0		7	A
Input HighVoltages		1.8		25	V

Intersil MAX8774 PWM chip: CPU VCORE (0.8V ~ 1.55V for different frequency of CPU)

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
VCC-CORE	Current 0-30A	0.8		1.55	V

TI TPS51117 LDO chip: 1.2V

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Output Current	1.25V	0		1.5	A
Input HighVoltages		1.6		5.5	V

Semtech G966 LDO chip: +1.2V_HT, 1.5V

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Output Current		0		2	A
Input HighVoltages		1.6		5.5	V

TI TPS51116 LDO chip: 1.8V

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Output Current	2.5V	0		1.5	A
Input HighVoltages		2.2		5.5	V

DC-AC inverter

ZR3 provides backlight adjustable DC-AC inverter. Dimension T.B.D mm

For 14" LCD TFT panel (LVDS Interface)

Parameter	Min	Typical	Max	Unit
Lamp voltage	1400	1600	1900	Vrms
Lamp frequency	50	55	60	KHz
Lamp current	5.6	6	6.4	mArms

AC adapter

Part name: TBD

Input characteristics: 90Watt

Battery

Main battery:

Specification	LiIon
Parts name	3UR18650Y-2-QC-ZR1
Dimension (CELL)	202(L)x 67(W)x23.7(H)
Normal capacity	38000mA
Normal voltage	11.1V
Charge voltage	12.60V±0.09V

RTC battery:

Part name: J11EAGLE

Capacity: 14mAH

Voltage: 3.0V

System Utilities

BIOS Setup Utility

The BIOS Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/Output System).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run Setup. Please also refer to Chapter 4 Troubleshooting when problem arises.

To activate the BIOS Utility, press **m** during POST (when "Press <F2> to enter Setup" message is prompted on the bottom of screen).

Press m to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press <F12> during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

Phoenix TrustedCore Setup Utility

Information Main Advanced Security Boot Exit

CPU Type:	Genuine Intel ® CPU	Help Item
CPU Speed:	XXXXGHz	Menu Level ▶
IDE0 Model Name:	Intel Raid0	
IDE0 Serial Number:	TSST CorpCD	
IDE1 Model Name:	MK3018GAP-(PM)	
IDE1 Serial Number:	Y2554027T	
ATAPI Model Name	Slimtype DVD-ROM LSD-081-(S	
System BIOS Version	V1.0	
VGA BIOS Version	ATI M9+XC V0.1	
Serial Number	XXXXXXXXXX	
Asset Tag Number	XXXXXXXXXX	
Product Name	TravelMate XXXX	
Manufacturer Name	Acer Inc.	
UUID:	XXXXXXXXXX	

↑↓←→ :Move Enter: Select +/-/PU/PD :Value F10: Save and Exit ESC:Exit
F1: General Help F5: Previous Values F7: Optimized Defaults

Navigating the BIOS Utility

There are six menu options: Info., Main, System Devices, Security, Boot, and Exit.

Follow these instructions:

- q To choose a menu, use the cursor left/right keys (zx).
- q To choose a parameter, use the cursor up/down keys (wy).
- q To change the value of a parameter, press p or q.
- q A plus sign (+) indicates the item has sub-items. Press e to expand this item.
- q Press ^ while you are in any of the menu options to go to the Exit menu.
- q In any menu, you can load default settings by pressing t. You can also press u to save any changes made and exit the BIOS Setup Utility.

Note: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models**.

Information

Note: The following system information is subject change between models and is for reference only.

Phoenix TrustedCore Setup Utility

Information

CPU Type:	Genuine Intel ® CPU	Help Item
CPU Speed:	XXXXGHz	Menu Level ▶
IDE0 Model Name:	Intel Raid0	
IDE0 Serial Number:	TSST CorpCD	
IDE1 Model Name:	MK3018GAP-(PM)	
IDE1 Serial Number:	Y2554027T	
ATAPI Model Name	Slimtype DVD-ROM LSD-081-(S	
System BIOS Version	V1.0	
VGA BIOS Version	ATI M9+XC V0.1	
Serial Number	XXXXXXXXXX	
Asset Tag Number	XXXXXXXXXX	
Product Name	TravelMate XXXX	
Manufacturer Name	Acer Inc.	
UUID:	XXXXXXXXXX	

↑↓←→ :Move Enter: Select +/-/PU/PD :Value F10: Save and Exit ESC:Exit

F1: General Help F5: Previous Values F7: Optimized Defaults

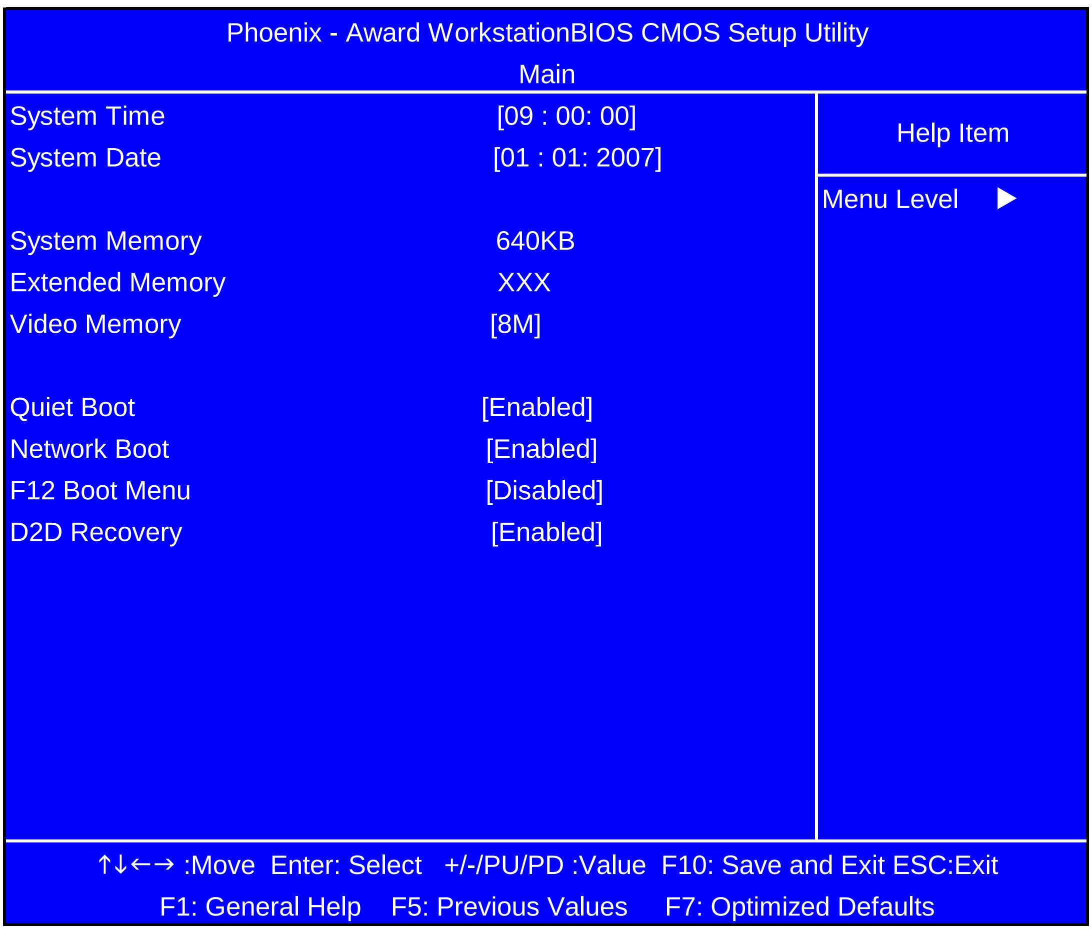
Parameter	Description
CPU Type	This field shows the CPU type for the system
CPU Speed	This field shows the CPU speed for the system
IDE0 Model Name	This field shows the model name of HDD installed on primary IDE master
IDE0 Serial Number	This field displays the serial number of HDD installed on primary IDE master

Parameter	Description
IDE1 Model Name	This field displays the model name of devices installed on secondary IDE master. The hard disk drive or optical drive model name is automatically detected by the system
IDE1 Serial Number	This field shows the serial number of devices installed on secondary IDE master
ATAPI Model Name	This field displays the ATAPI model name
System BIOS ver	Displays system BIOS version
VGA BIOS Ver	This field displays the VGA firmware version of the system
Serial Number	This field displays the serial number of this unit
Asset Tag Number	This field displays the asset tag number of the system
Product Name	This field shows product name of the system
Manufacturer Name	This field displays the manufacturer of this system
UUID Number	This will be visible only when an internal LAN device is present

Main

The Main screen displays a summary of your computer hardware information, and also includes basic setup parameters. It allows the user to specify standard IBM PC AT system parameters.

Note: The screen below is for reference only. Actual values may differ.



The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Format/Option
System Time	Sets the system time. The hours are displayed with 24-hour format	Format: HH:MM:SS (hour:minute:second)
System Date	Sets the system date	Format MM/DD/YYYY (month/day/year)
System Memory	This field reports the memory size of the system. Memory size is fixed to 640MB	
Extended Memory	This field reports the memory size of the extended memory in the system (Extended Memory size=Total memory size-1MB)	
Video Memory	Shows the VGA memory size	
Quiet Boot	Determines if Customer Logo will be displayed or not; shows Summary Screen is disabled or enabled **Enabled**: Customer Logo is displayed, and Summary Screen is disabled **Disabled**: Customer Logo is not displayed, and Summary Screen is enabled	Option: **Enabled** or Disabled
Network Boot	Enables or disables the system boot from LAN (remote server)	Option: **Enabled** or Disabled
F12 Boot Menu	Enables or disables Boot Menu during POST. Enabled: During quite boot, the OEM POST screen displays **Press <F12>Change Boot Device** Disabled: During quite boot, the OEM POST screen does not display **Press <F12>Change Boot Device** *Note: This Boot device change is applies to next boot only.*	Option: **Disabled** or Enabled
D2D Recovery	Enables or disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults	Option: **Enabled** or Disabled

Note: The sub-items under each device will not be shown if the device control is set to disable or auto. This is because the user is not allowed to control the settings in these cases.

Advanced

The Advanced screen displays advanced settings in BIOS.

Phoenix - Award WorkstationBIOS CMOS Setup Utility
Advanced

Serial Port	[Auto]	Help Item
Infrared Port (FIR)	[Auto]	Menu Level ▶
Parallel Port	[Auto]	
Mode	[ECP]	
▶ASF Configuration		
Minimum Watchdog Timeout	[ ]	
BIOS Boot Timeout	[ ]	
OS Boot Timeout	[ ]	
Power-on wait Time	[ ]	

↑↓←→ :Move Enter: Select +/-/PU/PD :Value F10: Save and Exit ESC:Exit
F1: General Help F5: Previous Values F7: Optimized Defaults

The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Option
Serial port	Displays the setting of the serial port	**Auto** or Disabled
Infrared port	Displays the setting of the infrared port	**Auto** or Disabled
Parallel port	Displays the setting of the parallel port	**Auto** or Disabled
Mode	Displays the mode of the parallel port if enabled	**ECP**/SPP/EPP
ASF Configuration q Minimum Watchdog Timeout q BIOS Boot Timeout q OS Boot Timeout q Power-on wait Time	Access the ASF Submenu for the following features: q Minimum Watchdog Timeout — q BIOS Boot Timeout — q OS Boot Timeout — q Power-on wait Time —	Enter a figure in minutes

Security

The Security screen contains parameters that help safeguard and protect your computer from unauthorized use.

Phoenix - Award WorkstationBIOS CMOS Setup Utility Security		
Supervisor Password Is	[Clear]	Help Item
User Password Is	[Clear]	
HDD Password Is	[Clear]	Menu Level ▶
Set Supervisor Password	[Enter]	
Set User Password	[Enter]	
Set HDD Password	[Enter]	
Password on Boot	[Disabled]	
Current TPM State		
Change TPM State	[No Change]	
↑↓←→ :Move Enter: Select +/-/PU/PD :Value F10: Save and Exit ESC:Exit F1: General Help F5: Previous Values F7: Optimized Defaults		

The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Option
Supervisor Password Is	Shows the setting for the Supervisor password	**Clear** or Set
User Password Is	Shows the setting for the user password	**Clear** or Set
HDD Password Is	Shows the setting for the HDD password	**Clear** or Set
Set Supervisor Password	Press **Enter** to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters	
Set User Password	Press **Enter** to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters	
Set HDD Password	Press **Enter** to set the HDD password. When HDD password is set, this password protects the Primary HDD	
Password on Boot	Defines whether a password is required or not while the events defined in this group happen. The following sub-options are all requires the Supervisor password for changes and should be grayed out if the user password was used to enter setup	**Disabled** or Enabled
Current TPM State		
Change TPM State		

Note: When you are prompted to enter a password, you have three tries before the system halts. Don't forget your password. If you forget your password, you may have to return your notebook computer to your dealer to reset it.

Password Conventions

All the passwords must obey the following rules:

- All the passwords can be set/cleared in BIOS Setup Security screen.
- The password entry consists up to 8 alphanumeric characters. At least 1 character must be assigned in this field.

The valid keys are listed in the table below:

Symbol Character	Symbol Name
A — Z	Alphabet A through Z (Not Case Sensitive)
0 — 9	Numeric Characters
-	Dash

Symbol Character	Symbol Name
=	Equals Sign
[	Left Bracket
]	Right Bracket
.	Period
,	Comma
;	Semi-colon
/	Slash
\	Back-slash

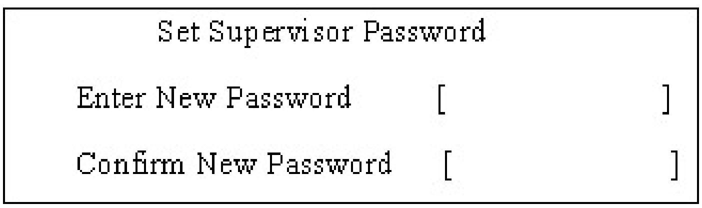
- The maximum cycles to retry password is limited to 3.
- User cannot change/remove password during resuming from S4.
- Finger print: support 10 fingers - Upack/Authentec modules.

Setting a Password

Perform the following steps to set the supervisor, user, or HDD password.

Note: The following example uses the Supervisor Password screens. The User and HDD Password screens are identical.

1. Use the ↑ and ↓ keys to highlight the **Set Supervisor Password** parameter and press the **Enter** key. The Set Supervisor Password box appears:



2. Type a password in the **Enter New Password** field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the **Confirm New Password** field.

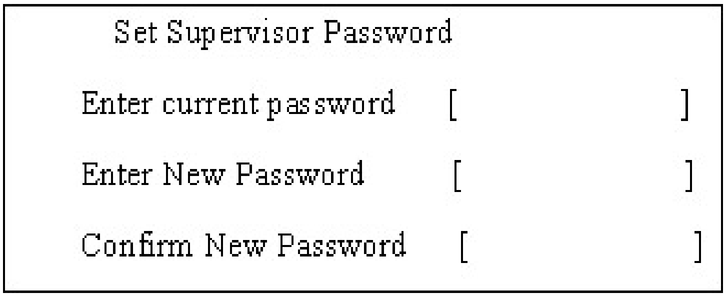
   IMPORTANT: Be careful when typing the password as the characters do not appear on the screen.

3. Press **Enter**. After setting the password, the computer sets the Supervisor Password Is parameter to **Set**.
4. If desired, you can opt to enable the **Password on Boot** parameter.
5. When you are done, save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

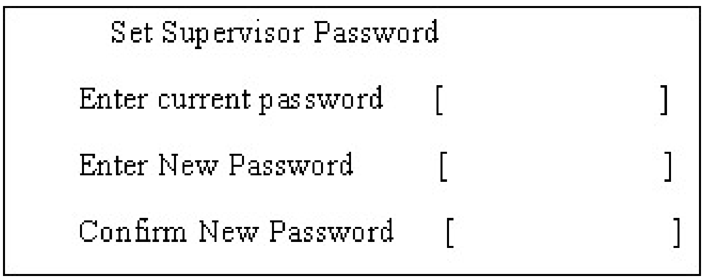
1. Use the ↑ and ↓ keys to highlight the **Set Supervisor Password** parameter and press the **Enter** key. The Set Password box appears:



2. Type the current password in the **Enter Current Password** field and press **Enter**.
3. Press **Enter** twice **without** typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to **Clear**.
4. When you have changed the settings, save the changes and exit the BIOS Setup Utility.

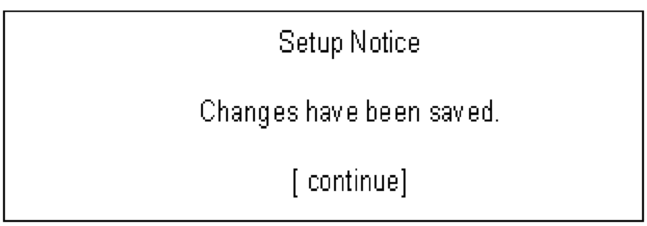
Changing a Password

1. Use the ↑ and ↓ keys to highlight the **Set Supervisor Password** parameter and press the **Enter** key. The Set Password box appears:



2. Type the current password in the **Enter Current Password** field and press **Enter**.
3. Type a password in the **Enter New Password** field. Retype the password in the **Confirm New Password** field.
4. Press **Enter**. After setting the password, the computer sets the Supervisor Password Is parameter to **Set**.
5. If desired, you can enable the **Password on Boot** parameter.
6. When you are done, save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.



The password setting is complete after the user presses **Enter**.

If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

Setup Warning

Invalid password

Re-enter Password

[continue]

If the new password and confirm new password strings do not match, the screen will display the following message.

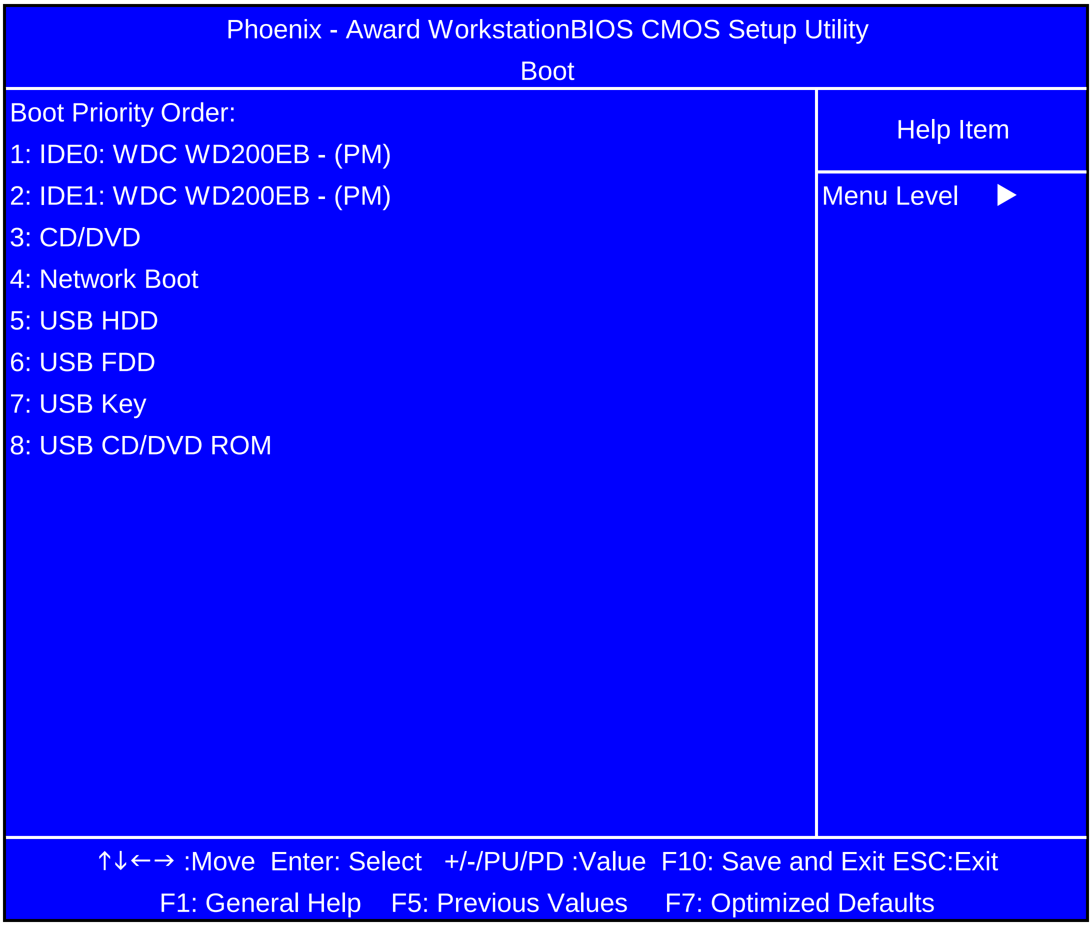
Setup Warning

Password do not match

Re-enter Password

Boot

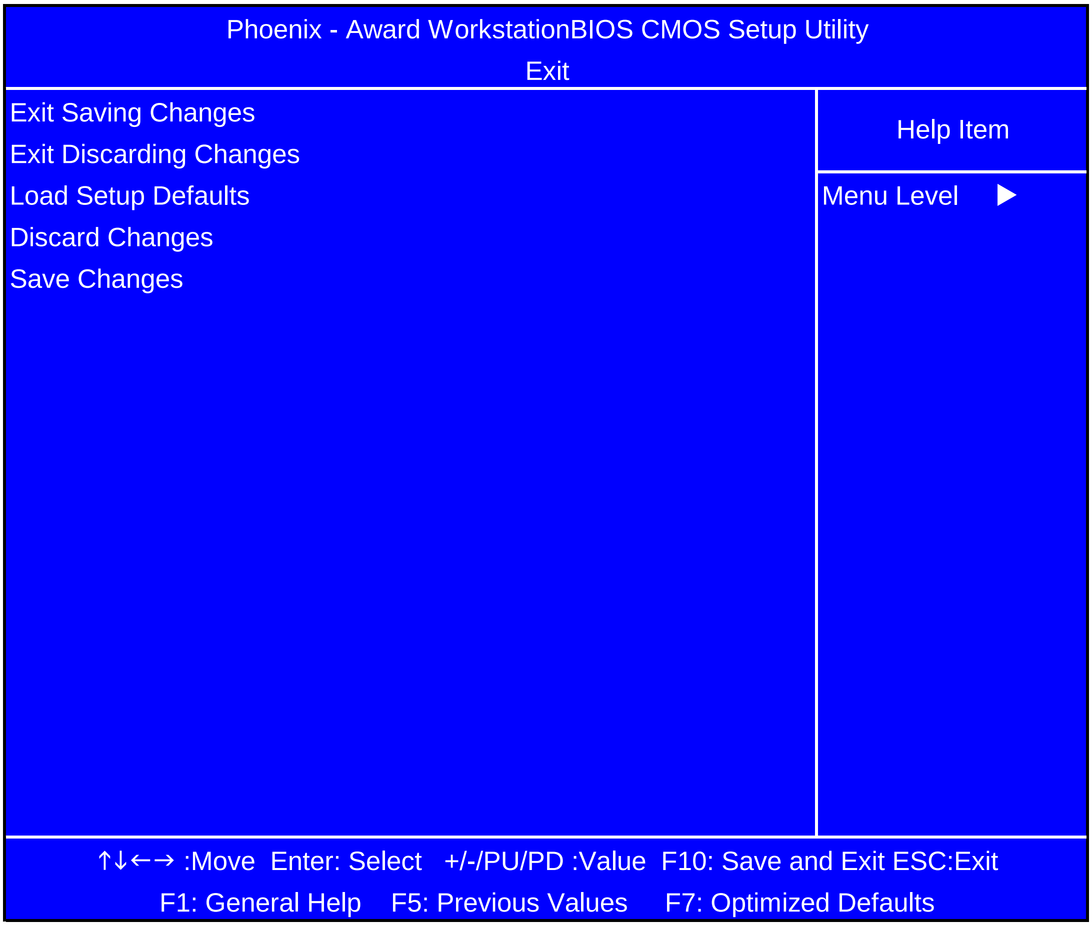
This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the diskette drive in module bay, the onboard hard disk drive and the CD-ROM in module bay.



Use ↑ or ↓ to select a device, then press <F6> to move it up the List, or <F5> to move it down the list. Press <Esc> to escape the menu

Exit

The Exit screen contains parameters that help safeguard and protect your computer from unauthorized use.



The table below describes the parameters in this screen.

Parameter	Description
Exit Saving Changes	Exit System Setup and save your changes to CMOS.
Exit Discarding Changes	Exit utility without saving setup data to CMOS.
Load Setup Defaults	Load default values for all SETUP item.
Discard Changes	Load previous values from CMOS for all SETUP items.
Save Changes	Save Setup Data to CMOS.

BIOS Flash Utility

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

Use the Flash utility to update the system BIOS flash ROM.

> **Note:** If you do not have a crisis recovery diskette at hand, then you should create a **Crisis Recovery Diskette** before you use the Flash utility.

> **Note:** Do not install memory-related drivers (XMS, EMS, DPMI) when you use the Flash.

> **Note:** Please use the AC adaptor power supply when you run the Flash utility. If the battery pack does not contain enough power to finish BIOS flash, you may not boot the system because the BIOS is not completely loaded.

Fellow the steps below to run the Flash.

1. Prepare a bootable diskette.
2. Copy the flash utilities to the bootable diskette.
3. Then boot the system from the bootable diskette. The flash utility has auto-execution function.

Machine Disassembly and Replacement

General Information

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

To disassemble the computer, you need the following tools:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Small Philips screw driver
- Philips screwdriver
- Plastic flat head screw driver
- Tweezers

Note: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components. When you remove the stripe cover, please be careful not to scrape the cover.

Before You Begin

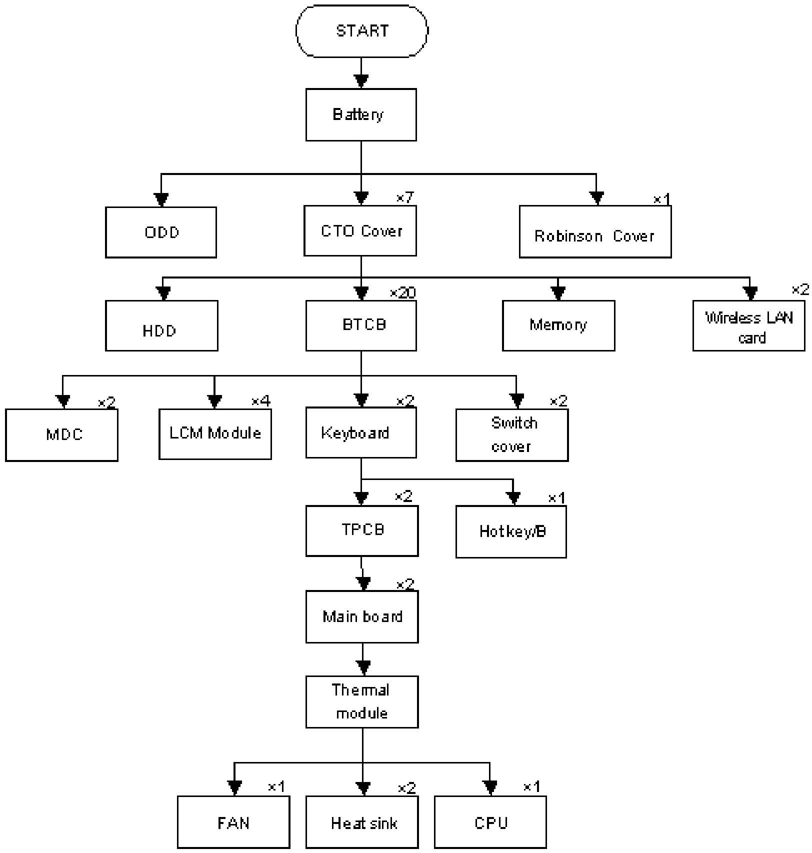
Before proceeding with the disassembly procedure, make sure that you do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.

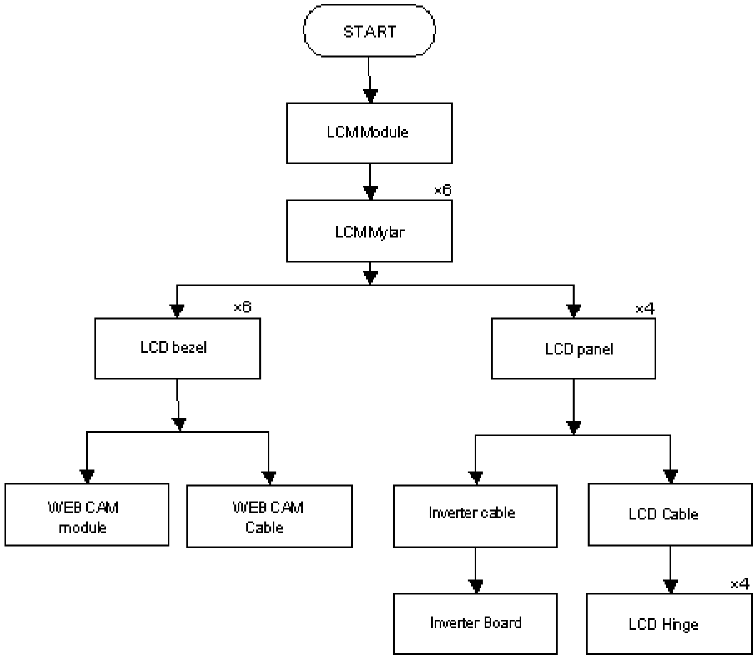
Disassembly Procedure Flowcharts

The following flowcharts give you a graphic representation on the entire disassembly sequence and instructs you on the components that need to be removed during servicing. For example, if you want to remove the system board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

Main Unit Disassembly Flowchart



LCM Module Disassembly Flowchart



Main Unit Disassembly Procedure

Removing the Battery Pack

1. Turn the computer over. Release the battery locks as shown.



2. Push and hold release latch.



3. Remove the battery.



Removing the CTO Cover

1. Locate and loosen the seven screws as shown.



Note: It is not necessary to remove the screws from the CTO Cover.

2. Lift the CTO cover using the indented top edge as shown.



3. Lift to 45° angle and remove from chassis.

Removing the ODD

1. Push and hold the ODD latch as shown.



2. Remove ODD.



Removing the HDD

1. Locate the plastic tab on the HDD.



2. Place one hand on the computer for stability and grasp the HDD removal tag.

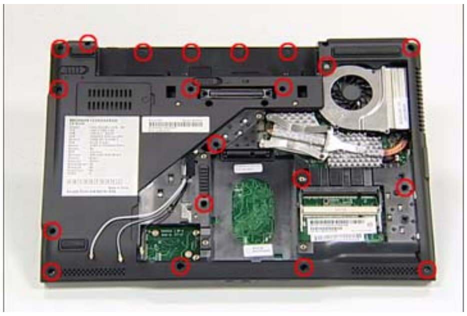


3. Pull upward as shown to remove the HDD from the chassis.



Removing the BTCB Screws

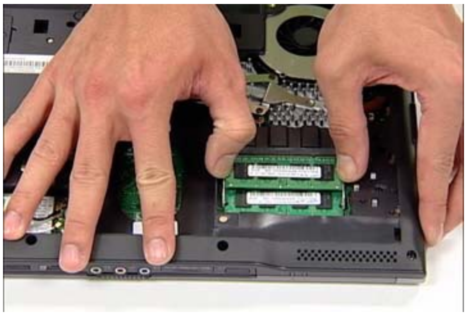
Locate and remove the twenty (20) BTCB screws as indicated.



Removing the Memory Modules

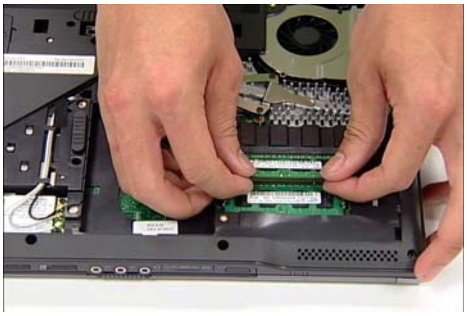
1. Push the two release levers on the upper module outward as shown.

   Note: The memory module lifts upward during release.

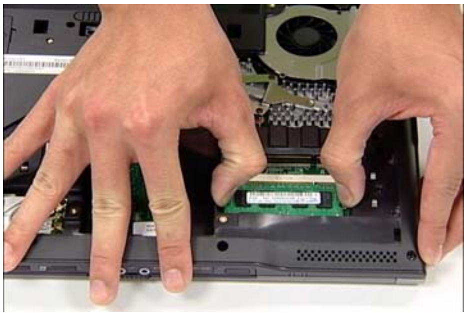


2. Pull upper memory module away from the socket.

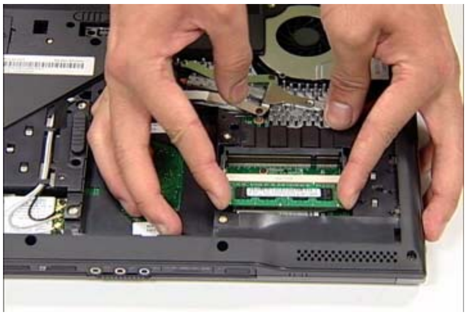
   Note: Use two hand to remove the module by gripping the top edge as shown.



3. Push the two release levers on the lower module outward as shown.



4. Pull the lower memory module away from the socket.



Removing the Wireless Card

Note: Fine tweezers are required for this procedure.

1. Locate the three antenna wires (colored white, gray, and black) on the right-hand side of the HDD bay.



2. Using fine tweezers, grip the white wire and pull upward until it is released from the board.



Repeat for the gray and black wires.

3. Locate the two screws securing the Wireless Card.



4. Locate and remove the two screws securing the Wireless Card.



Note: The Wireless Card lifts up automatically once the screws are removed.

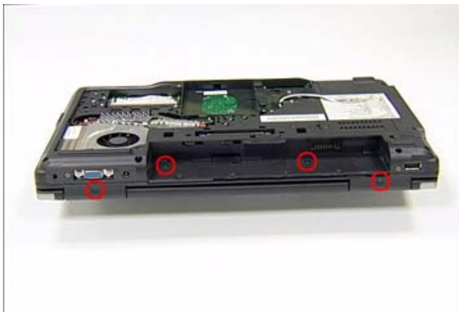
5. Grip card and pull away from socket as shown.



Removing the Switch Cover

CAUTION: Using tools to remove the Switch Cover may cause damage to the outer casing. It is recommended that only fingers are used to remove the Switch Cover.

1. Locate and remove the four securing screws as shown.



Note: Two of the screws are located within the battery cradle.

2. Turn the computer over. Open the LCM module fully to expose the Switch Cover.



3. Grip the Switch Cover as shown and pull upward to remove.





4. Using two hands, remove the Switch Cover from the chassis.



Removing the Keyboard

1. Locate and remove the two screws as shown.



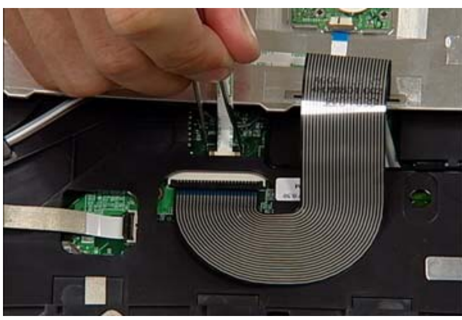
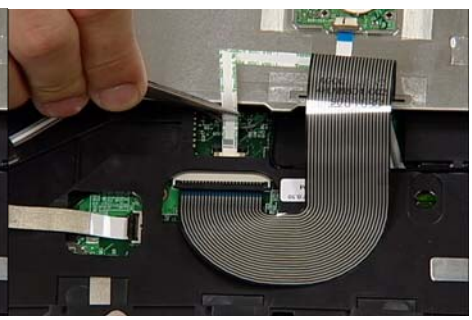
2. Using both hands, lift the top edge of the keyboard as shown.



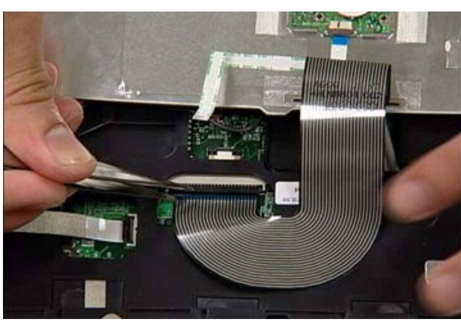
3. Turn the keyboard over, as shown, to expose the cables.




4. Using fine tweezers, release the first cable lock as shown and remove the cable from the socket.

5. Using fine tweezers, release the second cable lock as shown and remove the cable from the socket.




6. Remove keyboard from chassis.

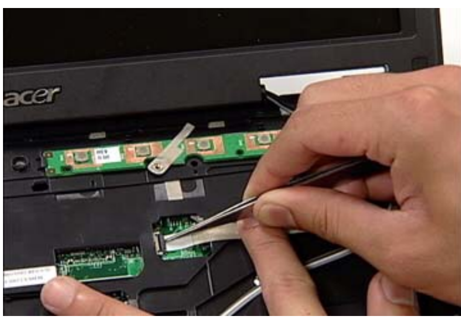


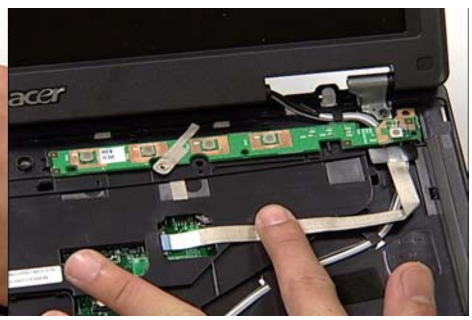
Removing the Switch Board

1. Locate and remove the screw as shown.

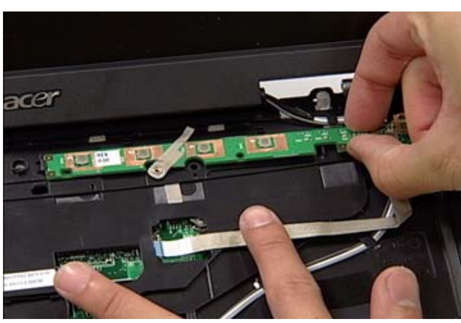


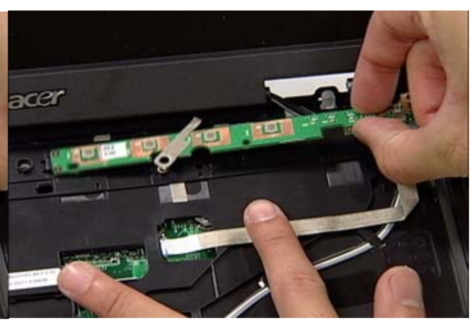
2. Using fine tweezers, release the cable lock as shown and remove the cable from the socket.





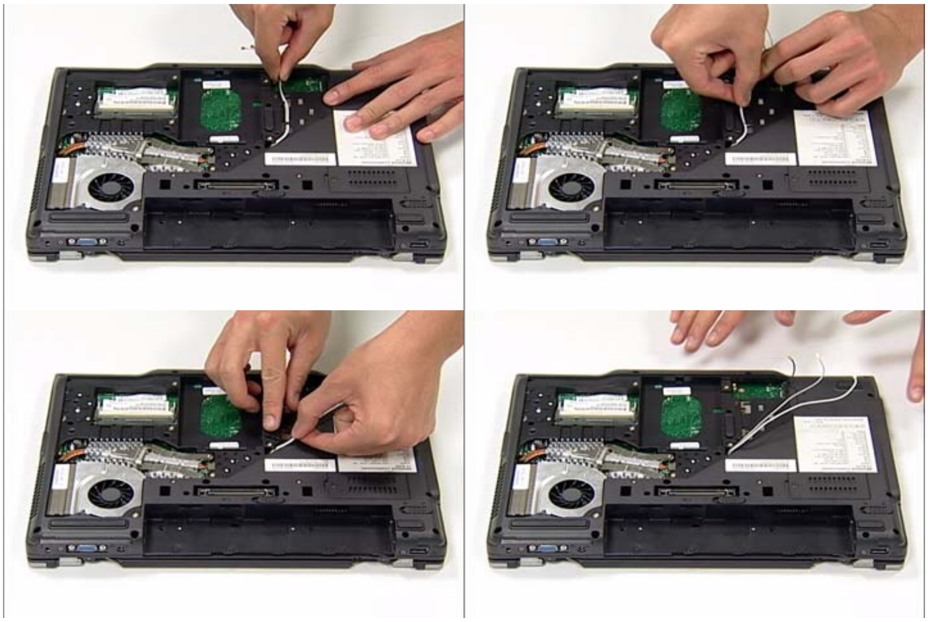
3. Remove the Switch Board from the chassis.



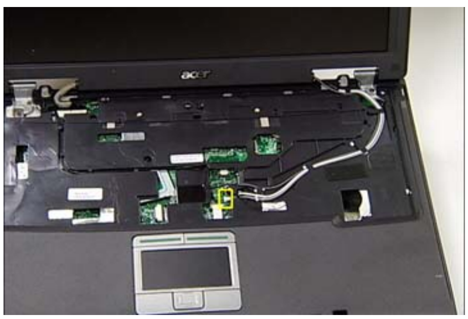


Removing the Antenna Cables

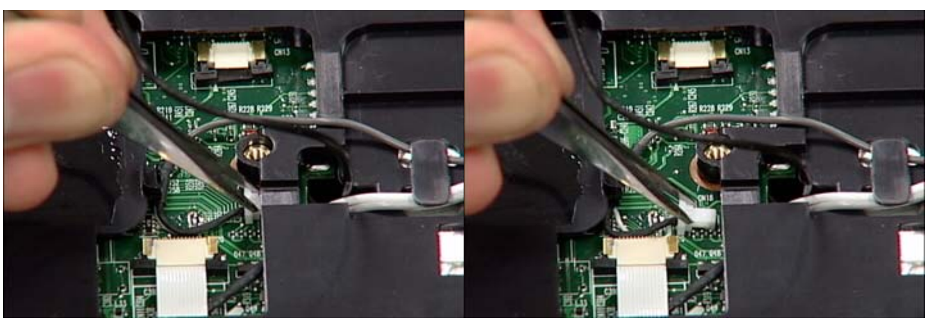
1. Turn the computer over. Remove the Antenna Cables from the three securing pins as shown.



2. Turn the computer over. Locate the socket as indicated.



3. Using fine tweezers, disconnect the cable as shown.



4. Pull the black MIC cable through the mainboard.

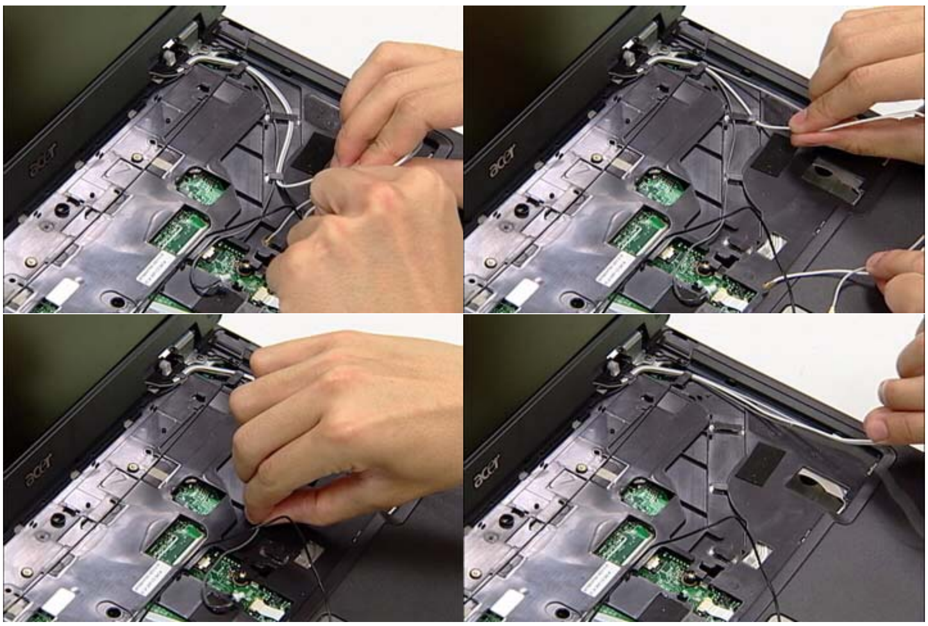


Note: This cable is not attached to the LCM Module. Move the cable out of the work area to avoid damage.

5. Pull the white and gray cables through the mainboard.



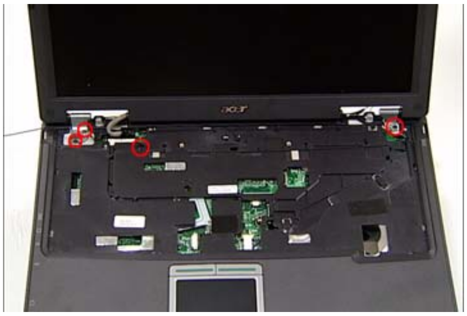
6. Remove the two gray cables and the white cable from the securing pins as shown.



Removing the LCM Module

CAUTION: Ensure all cables are removed from securing pins before proceeding to avoid damage.

1. Locate and remove the four screws as shown.

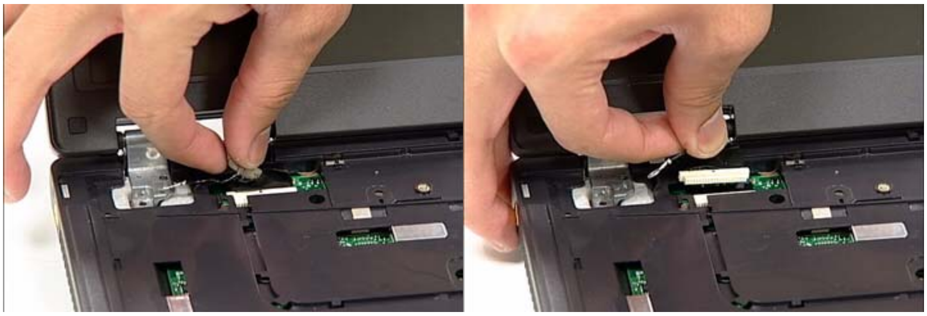


Note: The earth wire is disconnected when the screws are removed.

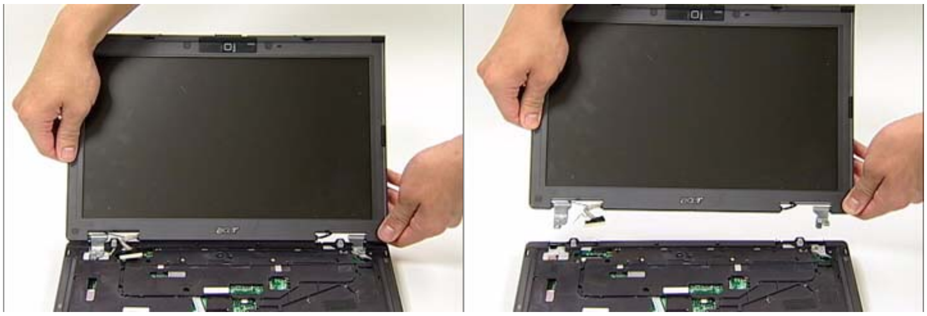
2. Locate and remove the two screws from the rear of the computer as shown.



3. Disconnect the cable from the connector as shown.



4. Using two hands, lift the LCM Module clear and remove from the chassis as shown.

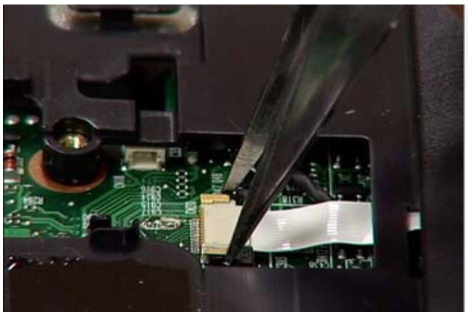
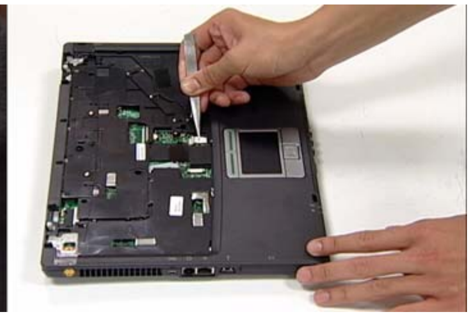


Removing the TouchPad

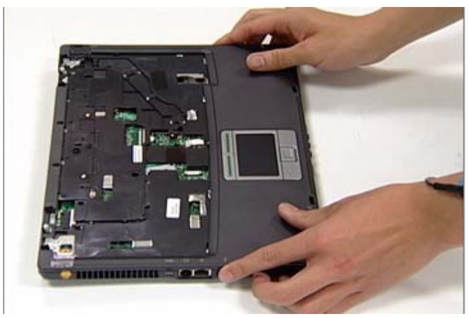
1. Locate the TouchPad cable as shown.



2. Using tweezers, release the locking latch and disconnect the cable as shown.

3. Using both hands, remove the casing and TouchPad as shown.

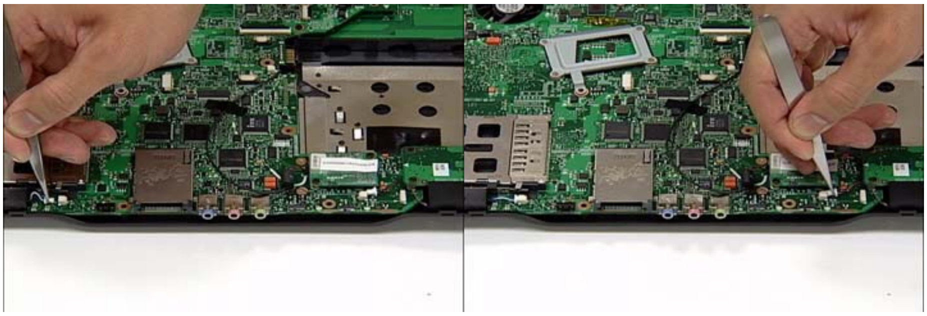



Removing the Mainboard

1. Locate the two screws (red markers) and two connectors (yellow markers) as shown.



2. Remove the screws and disconnect the connectors using tweezers as shown.



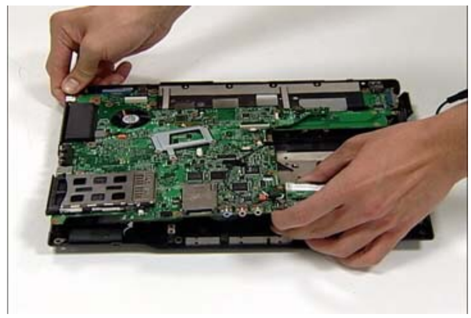
3. Open the VGA Port cover as shown.

   CAUTION: If the VGA Port cover is left closed, damage to the mainboard may result.

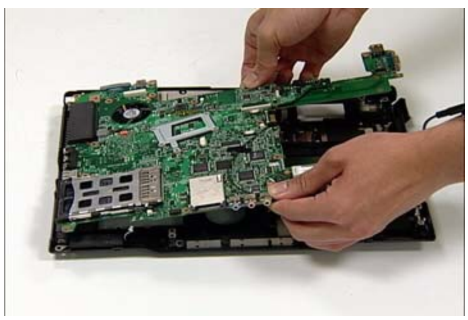


4. Grip the mainboard from the rear and lift up.

   Note: If any resistance is met while removing the mainboard, ease the computer case outward to clear the obstruction.



5. Lift the mainboard clear of the chassis.



Removing the Heatsink and Fan Module

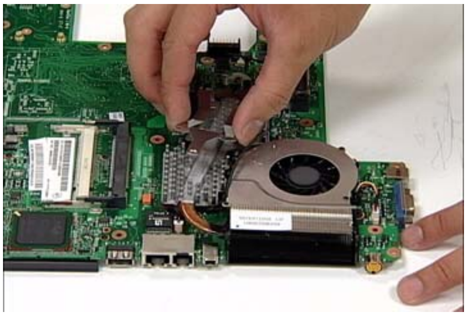
1. Locate and remove the two screws from the mainboard.



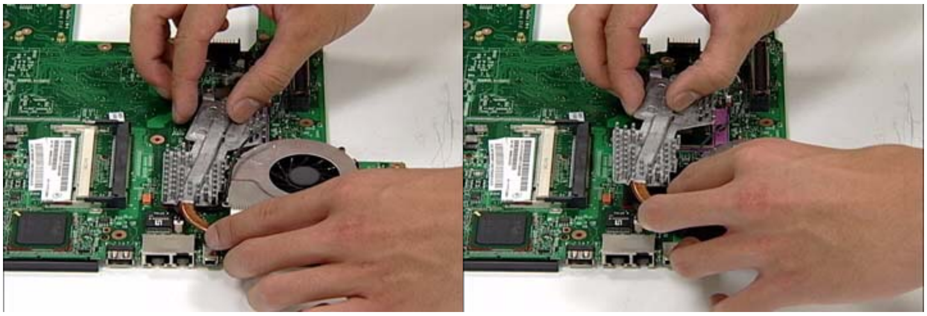
2. Turn the mainboard over. Locate the connector and two screws as shown.



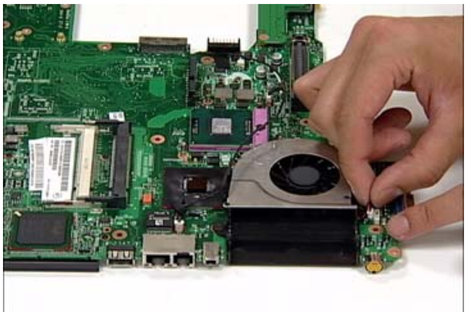
3. Remove the two screws and the Heatsink securing bracket as shown.



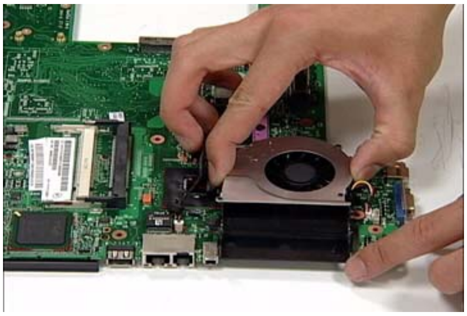
4. Hold the Fan unit with one hand and remove the Heatsink as shown.



5. Disconnect the Fan cable as shown.



6. Remove the Fan Module by lifting straight up.

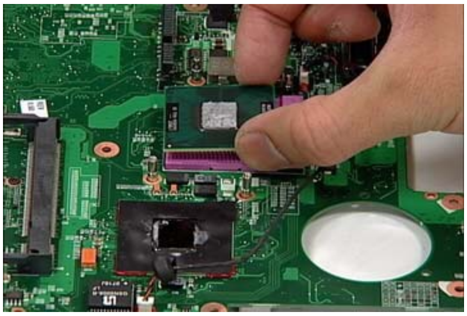


Removing the CPU

1. Using a screw driver, unscrew the CPU counter clockwise.



2. Remove the CPU from the bracket as shown.



LCM Module Disassembly Procedure

Removing the LCM Bezel

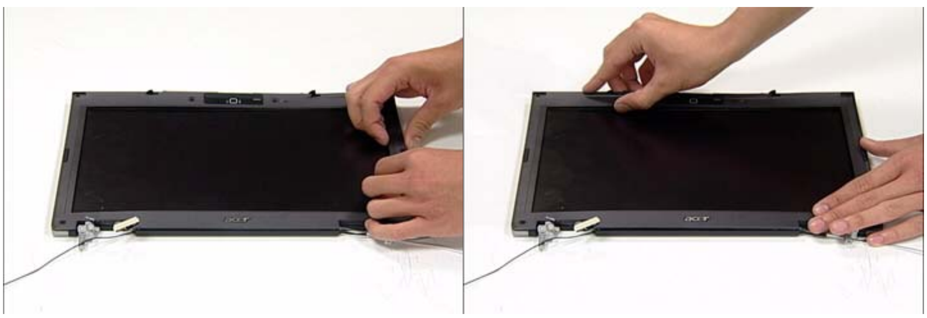
CAUTION: When using tools, be careful not to scratch the computer casing.

1. Locate and remove the four mylar (small red markers) and two rubber (large red markers) screw covers as shown. Remove the six bezel securing screws.

   Note: Do not discard the screw covers — they are reusable.



2. Loosen the bezel by lifting all the edges upward as shown.



3. Push in the cover locks to allow the bezel to pass freely over them.



4. Remove the bezel from the LCM Module.

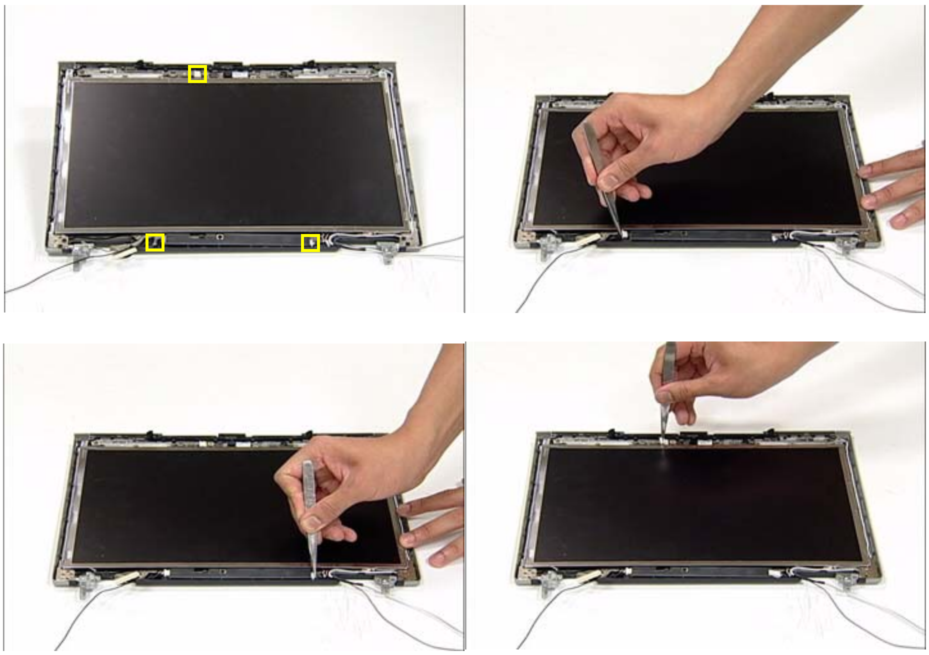


Removing the LCD Panel

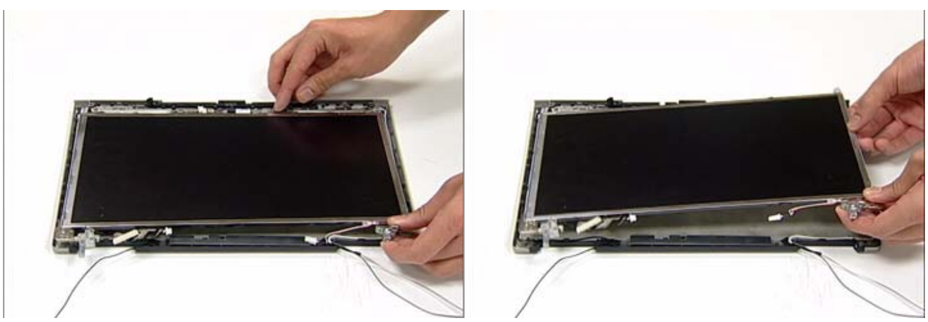
1. Locate and remove the six screws as shown.



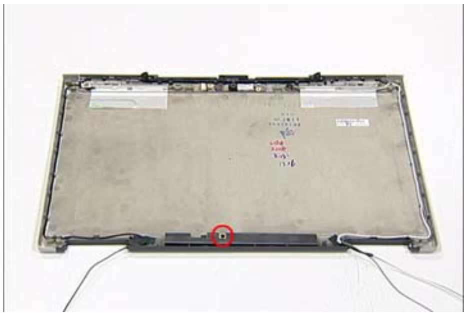
2. Locate the three panel connectors as shown. Disconnect the cables as shown.



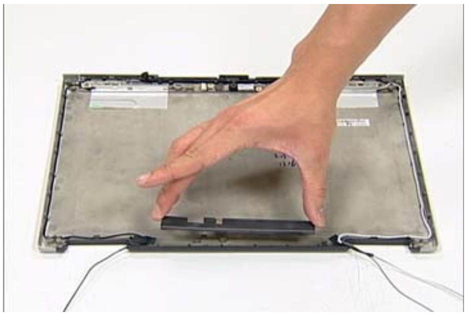
3. Hold down the WebCam Module and remove the LCD panel by lifting the hinge as shown.



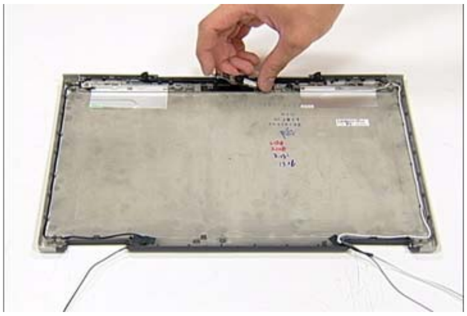
4. Locate and remove the Inverter Board screw as shown.



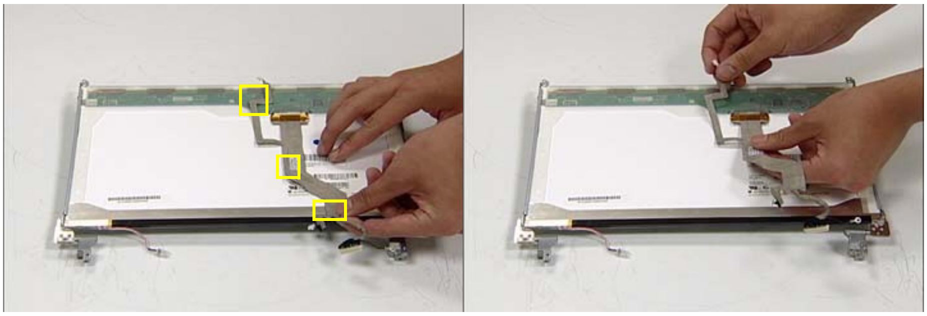
5. Grip the Inverter Board and lift upward to remove.



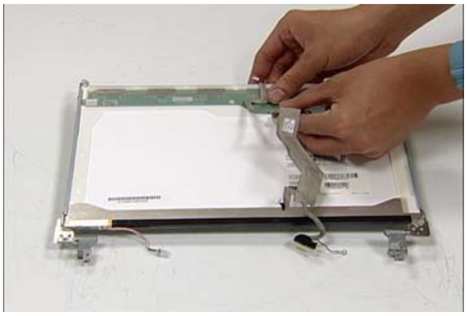
6. Grip the WebCam Module and lift upward to remove.



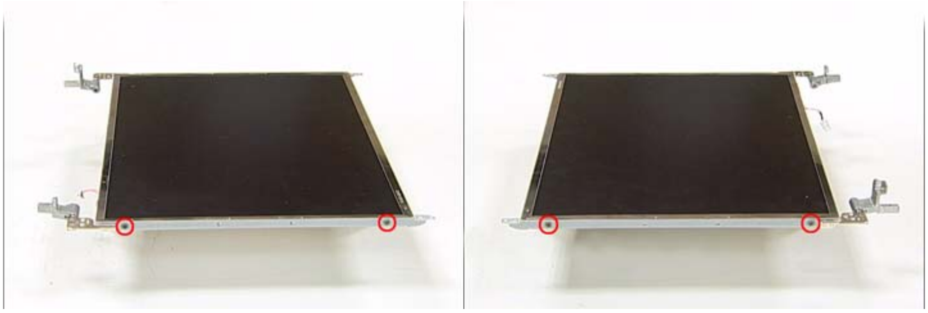
7. Turn the LCD panel over to expose the rear. Grip the LCM cable and lift upward to detach the adhesive pads.



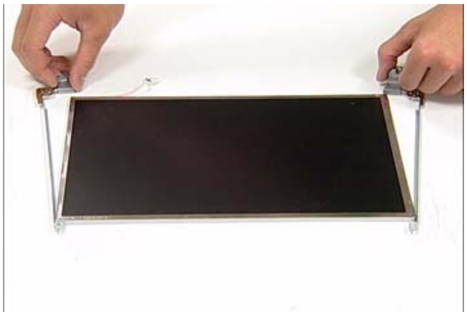
8. Hold the printed circuit board with one hand and disconnect the cable by pulling away from the connector.



9. Locate and remove the four screws (two on each side) securing the LCD brackets to the LCD panel.



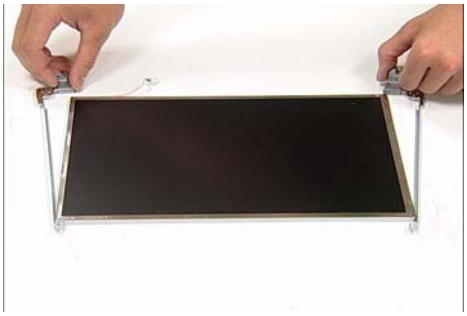
10. Remove the LCD brackets by pulling away from the LCD Panel as shown.



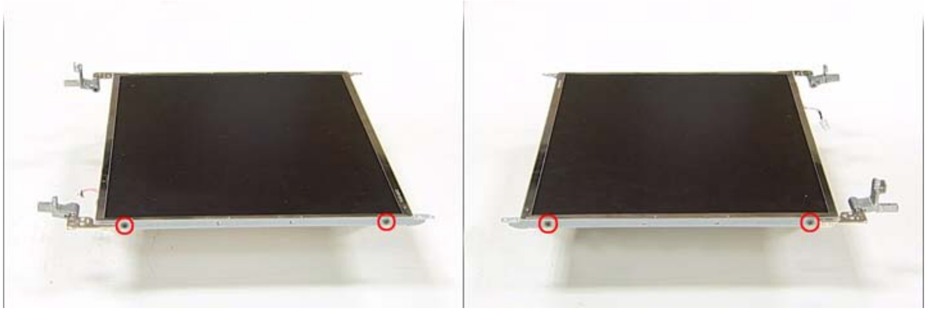
LCM Module Reassembly Procedure

Replacing the LCD Panel

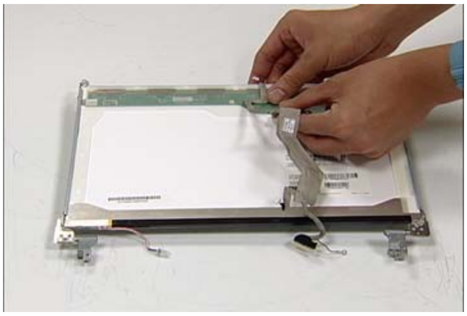
1. Align the LCD brackets with the four screw holes (two on each side) on the LCD Panel as shown.



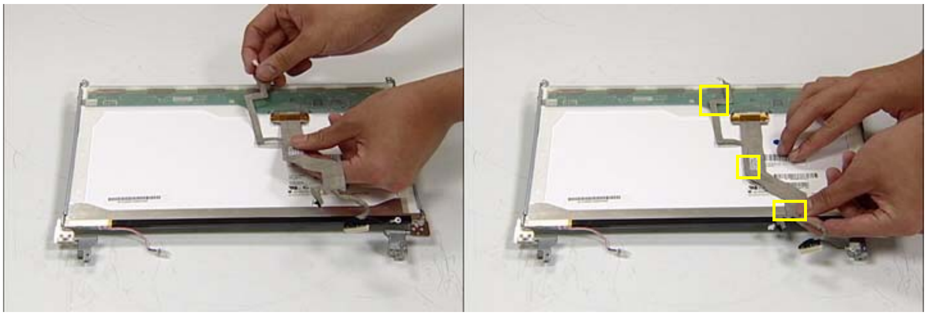
2. Secure the LCD brackets to the LCD panel.



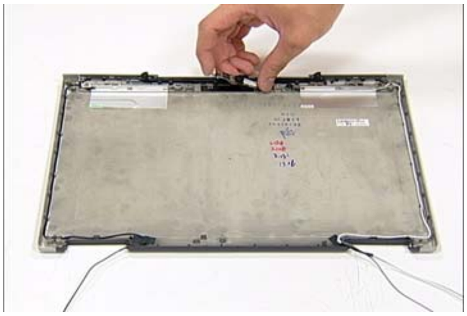
3. Turn the panel over. Insert the cable into the cable connector on the LCD Panel as shown.



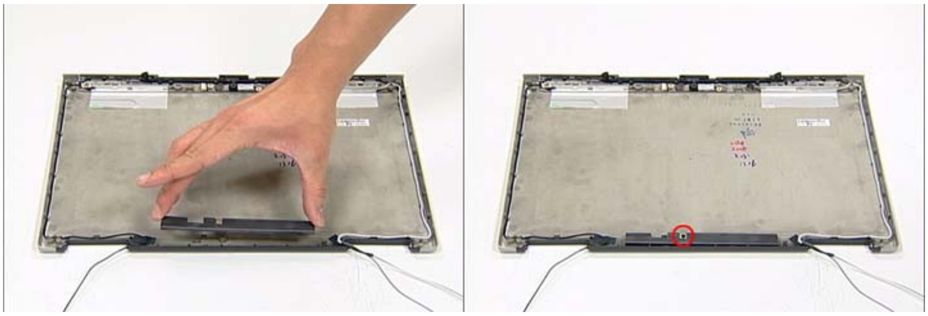
4. Align the LCD Panel cable as shown and press down to engage the adhesive pads.



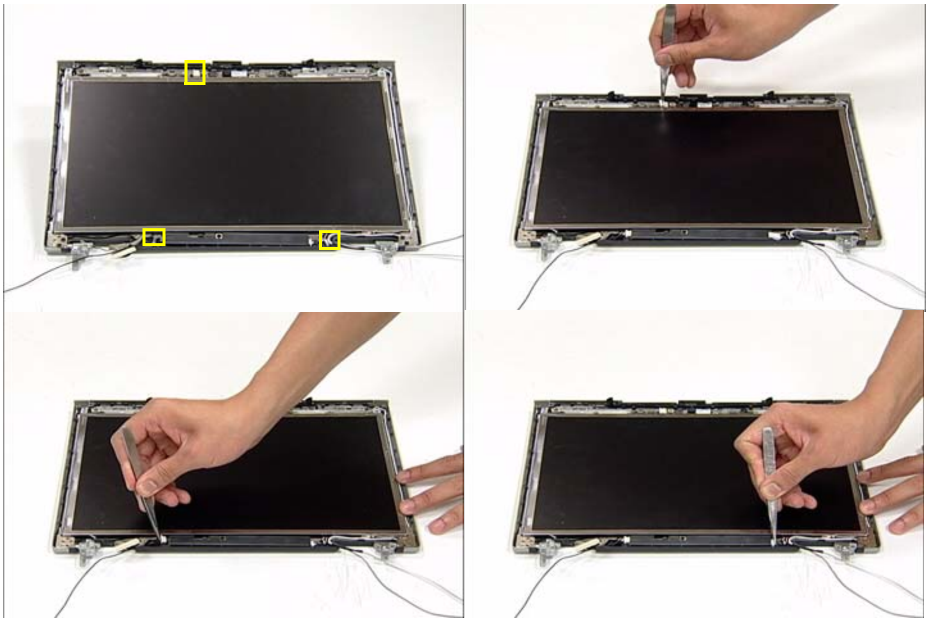
5. Place the WebCam Module in the mounting as shown.



6. Place the Inverter Board in the mounting and secure with the screw provided.



7. Place the LCD Panel in the mounting and secure the three panel connectors as shown.

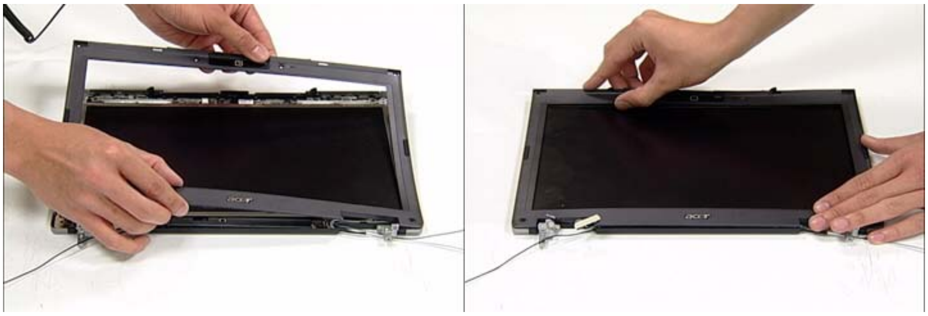


8. Secure the LCD Panel with the six screws provided.



Replacing the LCM Bezel

1. Locate the bezel correctly and press down the edges until there are no gaps between the bezel and the LCM Module,



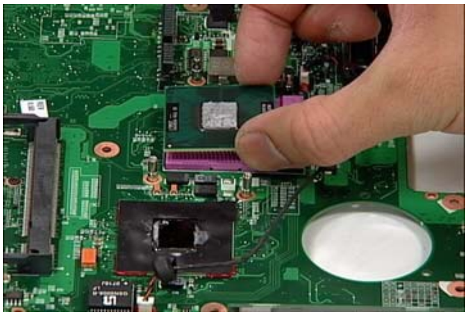
2. Secure the six screws provided and replace the mylar (small red markers) and rubber screw caps (large red markers).



Main Module Reassembly Procedure

Replacing the CPU

1. Insert the CPU into the CPU bracket as shown.

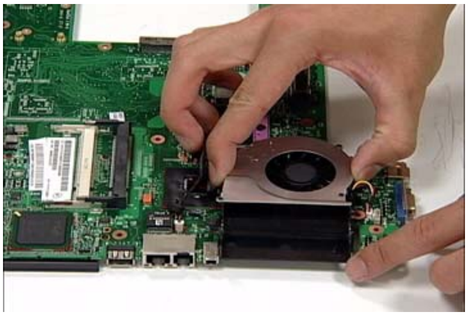


2. Using a screw driver, tighten the screw clockwise as shown to secure the CPU in place.

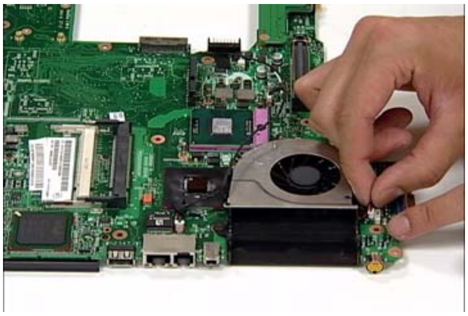


Replacing the Heatsink and Fan Module

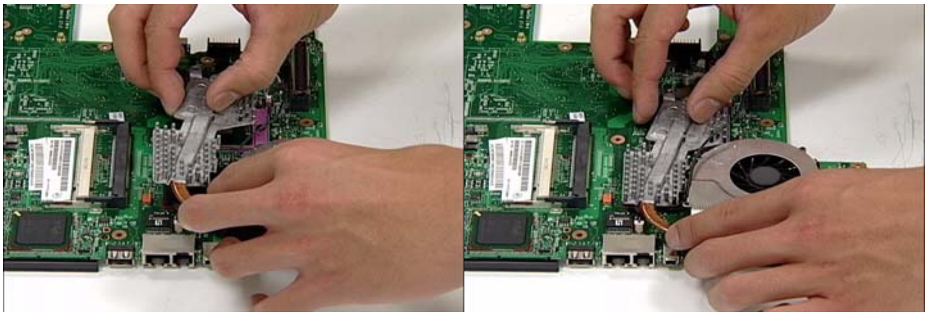
1. Place the Fan Module in the mounting as shown.



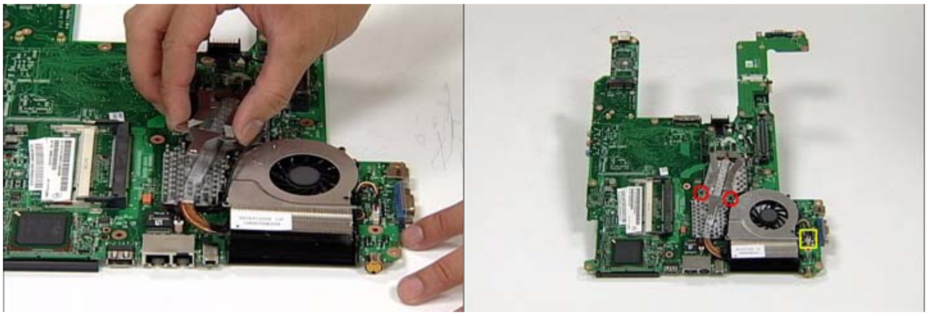
2. Connect the Fan Module cable as shown.



3. Hold the Fan Module in place and place the Heatsink as shown.



4. Align the Heatsink Securing Bracket correctly and fix in place using the two screws provided.



5. Turn the Mainboard over and secure the two screws as shown.

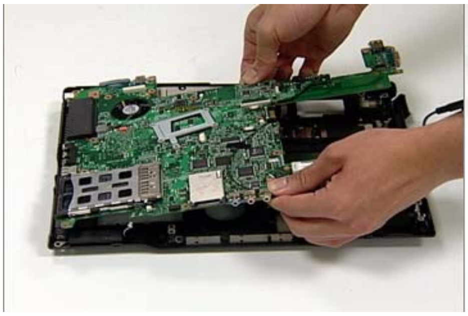
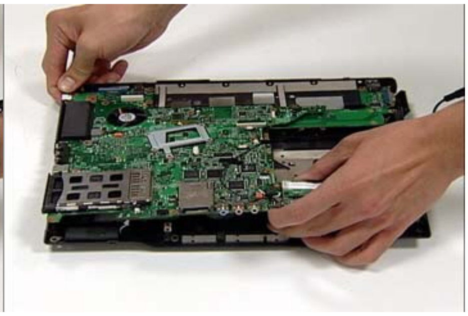


Replacing the Mainboard

CAUTION: Ensure that the VGA Port Cover is open before beginning. Failure to do so may result in damage to the Mainboard.

1. Ensure that the Mainboard is face up (the Fan Module and CPU are not visible). Place the Mainboard in the chassis and press down to install.

   Note: If any resistance is met while installing the mainboard, ease the computer case outward to clear the obstruction.

2. Close the VGA Port and connect the two speaker cables to the Mainboard as shown.



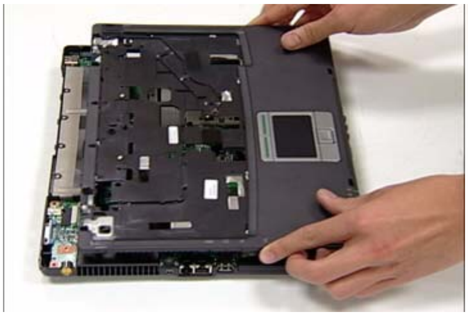
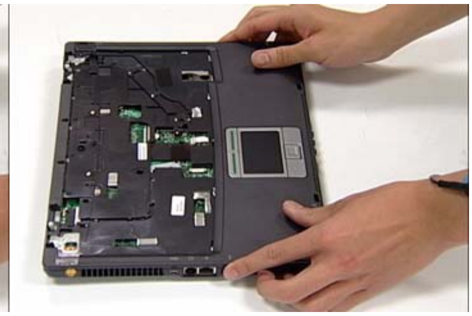

3. Secure the Mainboard to the chassis using the two screws provided (red markers).



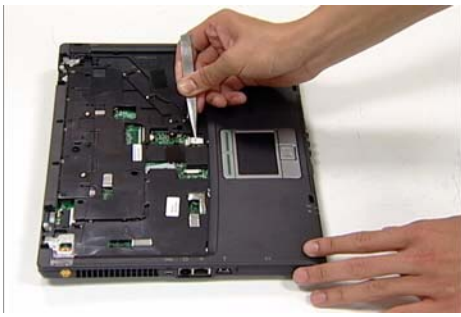
Replacing the TouchPad

1. Using both hands, replace the TouchPad as shown.

   Note: Ensure that the TouchPad cable is accessible once the TouchPad is in place.

2. Using tweezers, grip the TouchPad cable and insert it into the connector on the Motherboard as shown. Secure the locking latch to hold the cable in place.




Replacing the LCM Module

1. Align the four screw holes on the LCM Module hinges with the corresponding screw holes on the chassis. Lower the LCM Module into position as shown. Ensure that the LCM cables are inserted through the aperture before proceeding (yellow marker).




2. Connect the LCM Module cable to the connector on the chassis as shown.



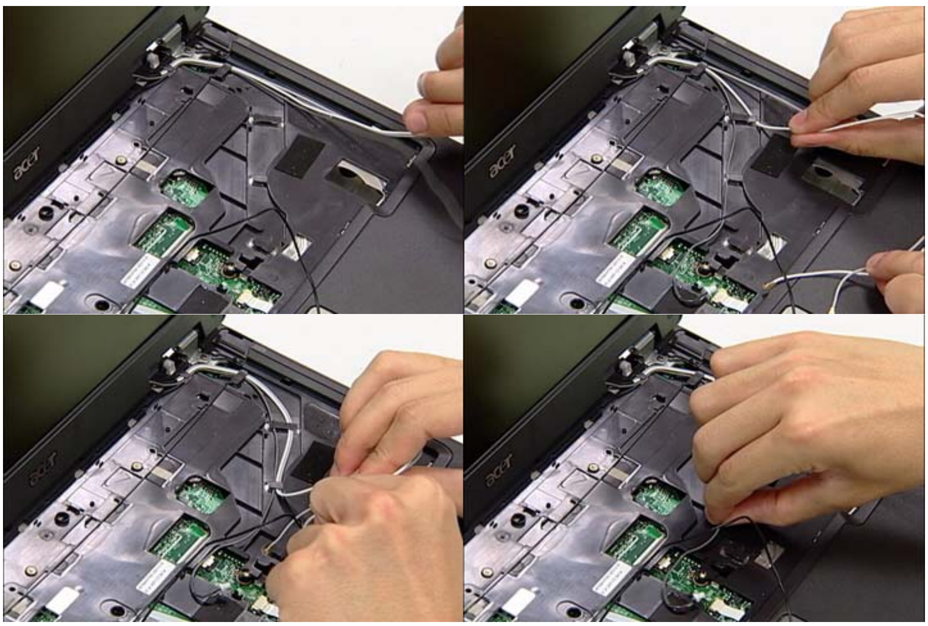
3. Secure the two screws at the rear of the computer as shown and the four screws to hold the LCM in place on the chassis.

   Note: Ensure that the earth wire is reconnected during this step.



Replacing the Antenna Cables

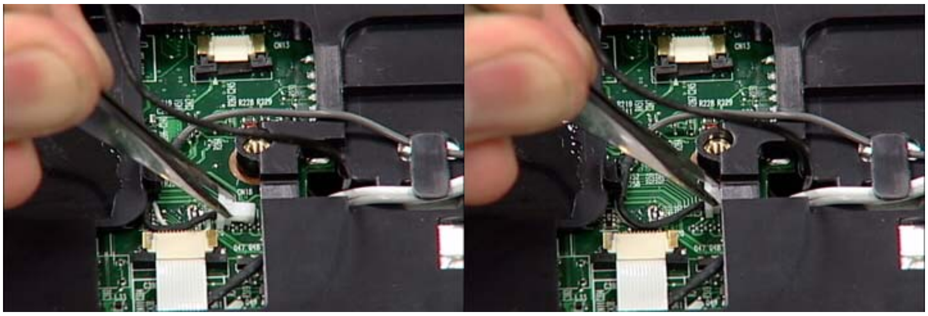
1. Place the three cables from the LCM Module in the wiring conduit and secure in place using the cable pins on the chassis.



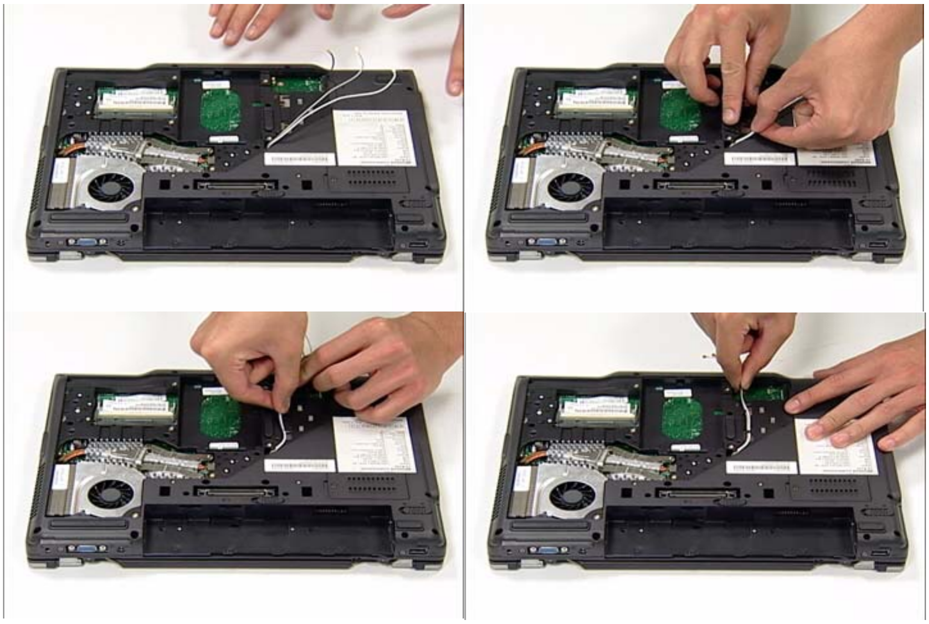
2. Push the black MIC cable from the left hand side of the computer, the white cable and the gray cable through the Mainboard so that they are accessible from underneath the computer.



3. Using tweezers, secure the remaining gray cable with the connector to the port on the Mainboard.

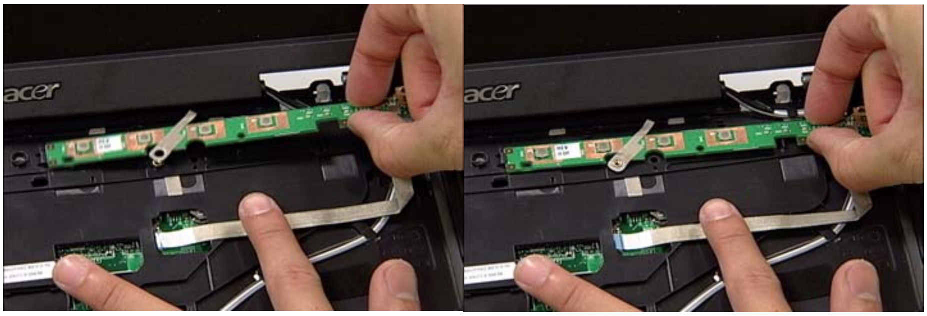


4. Turn the computer over. Place the three cables from the LCM Module in the wiring conduit and secure in place using the cable pins on the chassis.

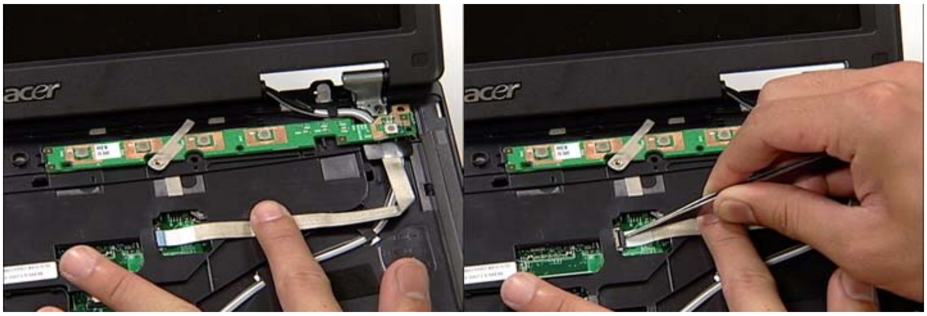


Replacing the Switch Board

1. Place the Switch Board in the mounting as shown.



2. Insert the cable into the port and secure the locking latch using fine tweezers.

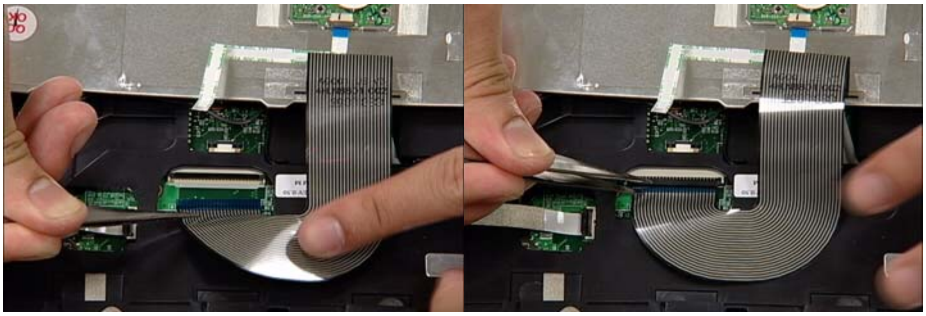


3. Secure the Switch Board in place using the screw provided.

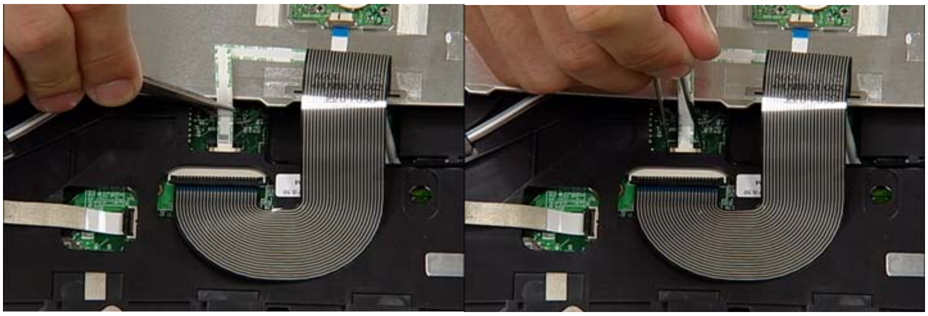


Replacing the Keyboard

1. Using fine tweezers, insert the thicker cable into the socket and secure the locking latch as shown.



2. Using fine tweezers, insert the remaining cable into the socket and secure the locking latch as shown.



3. Turn the keyboard over and place the front edge first into the mounting.



4. Push the Keyboard into place toward the TouchPad and secure using the two screws provided.



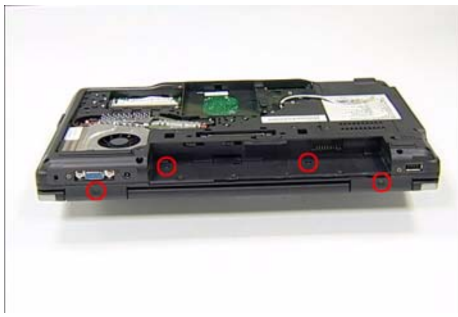
Replacing the Switch Cover

1. Place the Switch Cover as shown and press down until no gaps are visible between the cover and the chassis.




2. Close the LCM Module and turn the computer over. Locate and replace the four screws as shown.

   Note: Two of the screws are located within the battery cradle.



Replacing the Wireless Card

1. Ensure the card is positioned label upwards as shown and push into the connector.

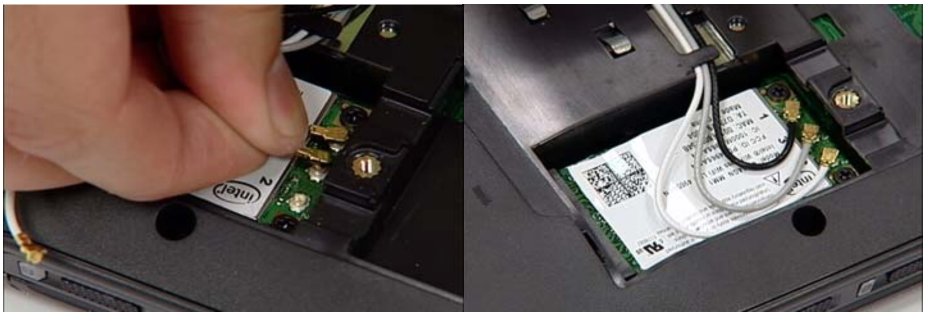


   Note: The card remains at an angle until the screws are inserted.

2. Secure the card in position using the two screws provided.



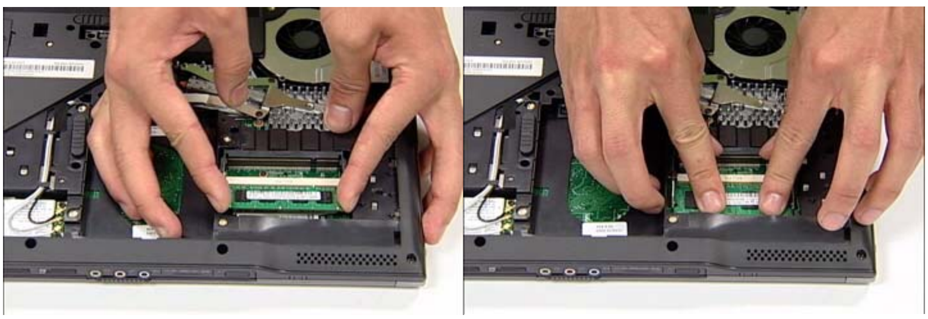
3. Reconnect the three Antenna Cables as shown, pushing down firmly to connect the cables.



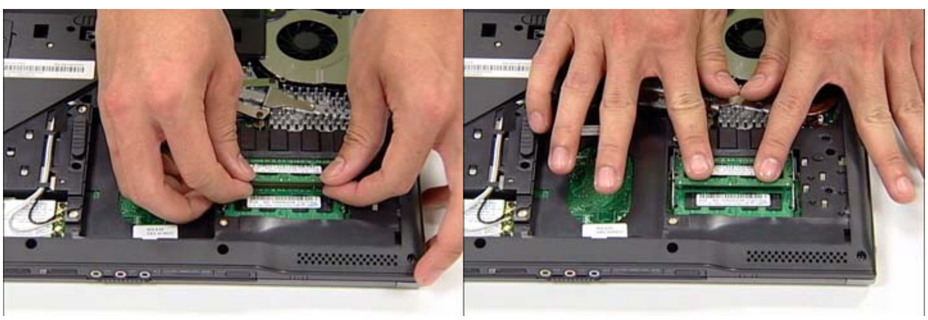
Cable Color	Connector Number
Black	1
White	2
Gray	3

Replacing the Memory Modules

1. Using two hands, push the lower module into the socket until it clicks into place.

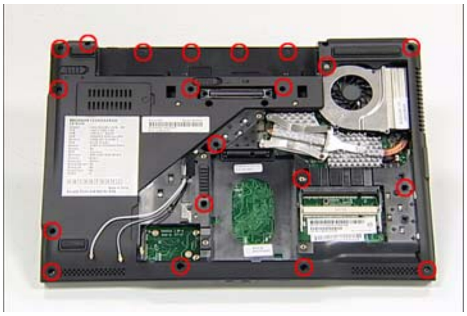


2. Using two hands, push the upper module into the socket and press downward until it clicks into place.



Replacing the BTCB Screws

1. Locate and secure the twenty (20) BTCB screws as shown.



Replacing the HDD

1. Place the HDD in the mounting, rear edge first as shown.



2. Push down firmly into the mounting to secure the HDD.



Replacing the ODD

1. Brace the computer with one hand and insert the ODD into the bay as shown.



2. Push the ODD until it is fully inserted i.e. the ODD is flush with the chassis casing.



Replacing the CTO Cover

1. Place the CTO Cover rear edge first on to the chassis as shown.



2. Push down fully until no gaps are visible between the CTO Cover and the chassis.



3. Secure the CTO Cover using the seven screws provided.



Replacing the Battery Pack

1. Place the battery in the cradle as shown.



2. Push the battery toward the computer until it clicks in to place.



3. Engage the battery locks as shown.



Troubleshooting

Use the following procedure as a guide for computer problems.

Note: The diagnostic tests are intended to test only Acer products. Non-Acer products, prototype cards, or modified options can give false errors and invalid system responses.

1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Use the following table with the verified symptom to determine which page to go to.

Symptoms (Verified)	Go To
Power failure. (The power indicator does not go on or stay on.)	"Power System Check" on page 99.
POST does not complete. No beep or error codes are indicated.	"Power-On Self-Test (POST) Error Message" on page 101 "Undetermined Problems" on page 115
POST detects an error and displayed messages on screen.	"Error Message List" on page 102
Other symptoms (i.e. LCD display problems or others).	"Power-On Self-Test (POST) Error Message" on page 101
Symptoms cannot be re-created (intermittent problems).	Use the customer-reported symptoms and go to "Power-On Self-Test (POST) Error Message" on page 101 "Intermittent Problems" on page 114 "Undetermined Problems" on page 115

System Check Procedures

External Diskette Drive Check

Do the following to isolate the problem to a controller, driver, or diskette. A write-enabled, diagnostic diskette is required.

> **Note:** Make sure that the diskette does not have more than one label attached to it. Multiple labels can cause damage to the drive or cause the drive to fail.

Do the following to select the test device.

1. Boot from the diagnostics diskette and start the diagnostics program.
2. See if FDD Test is passed as the program runs to FDD Test.
3. Follow the instructions in the message window.

If an error occurs with the internal diskette drive, reconnect the diskette connector on the system board.

If the error still remains:

1. Reconnect the external diskette drive/DVD-ROM module.
2. Replace the external diskette drive/CD-ROM module.
3. Replace the main board.

External CD-ROM Drive Check

Do the following to isolate the problem to a controller, drive, or CD-ROM. Make sure that the CD-ROM does not have any label attached to it. The label can cause damage to the drive or can cause the drive to fail.

Do the following to select the test device:

1. Boot from the diagnostics diskette and start the diagnostics program.
2. See if CD-ROM Test is passed when the program runs to CD-ROM Test.
3. Follow the instructions in the message window.

If an error occurs, reconnect the connector on the System board. If the error still remains:

1. Reconnect the external diskette drive/CD-ROM module.
2. Replace the external diskette drive/CD-ROM module.
3. Replace the main board.

Keyboard or Auxiliary Input Device Check

Remove the external keyboard if the internal keyboard is to be tested.

If the internal keyboard does not work or an unexpected character appears, make sure that the flexible cable extending from the keyboard is correctly seated in the connector on the system board.

If the keyboard cable connection is correct, run the Keyboard Test.

If the tests detect a keyboard problem, do the following one at a time to correct the problem. Do not replace a non-defective FRU:

1. Reconnect the keyboard cables.
2. Replace the keyboard.
3. Replace the main board.

The following auxiliary input devices are supported by this computer:

- Numeric keypad
- External keyboard

If any of these devices do not work, reconnect the cable connector and repeat the failing operation.

Memory check

Memory errors might stop system operations, show error messages on the screen, or hang the system.

1. Boot from the diagnostics diskette and start the diagnostic program (please refer to main board.
2. Go to the diagnostic memory in the test items.
3. Press F2 in the test items.
4. Follow the instructions in the message window.

Note: Make sure that the DIMM is fully installed into the connector. A loose connection can cause an error.

Power System Check

To verify the symptom of the problem, power on the computer using each of the following power sources:

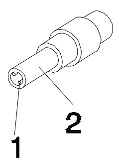
1. Remove the battery pack.
2. Connect the power adapter and check that power is supplied.
3. Disconnect the power adapter and install the charged battery pack; then check that power is supplied by the battery pack.

If you suspect a power problem, see the appropriate power supply check in the following list:

- "Check the Power Adapter" on page 99
- "Check the Battery Pack" on page 99

Check the Power Adapter

Unplug the power adapter cable from the computer and measure the output voltage at the plug of the power adapter cable. See the following figure



Pin 1: +19 to +20.5V
Pin 2: 0V, Ground

1. If the voltage is not correct, replace the power adapter.
2. If the voltage is within the range, do the following:
   - Replace the System board.
   - If the problem is not corrected, see "Undetermined Problems" on page 115.
   - If the voltage is not correct, go to the next step.

   Note: An audible noise from the power adapter does not always indicate a defect.
3. If the power-on indicator does not light up, check the power cord of the power adapter for correct continuity and installation.
4. If the operational charge does not work, see "Check the Battery Pack" on page 99.

Check the Battery Pack

To check the battery pack, do the following:

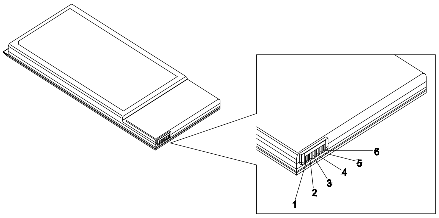
From Software:

1. Check out the Power Management in control Panel
2. In Power Meter, confirm that if the parameters shown in the screen for Current Power Source and Total Battery Power Remaining are correct.
3. Repeat the steps 1 and 2, for both battery and adapter.
4. This helps you identify first the problem is on recharging or discharging.

From Hardware:

1. Power off the computer.

2. Remove the battery pack and measure the voltage between battery terminals 1(+) and 6(ground). See the following figure



3. If the voltage is still less than 7.5 Vdc after recharging, replace the battery.

To check the battery charge operation, use a discharged battery pack or a battery pack that has less than 50% of the total power remaining when installed in the computer.

If the battery status indicator does not light up, remove the battery pack and let it return to room temperature. Re-install the battery pack.

If the charge indicator still does not light up, replace the battery pack. If the charge indicator still does not light up, replace the DC/DC charger board.

Touchpad Check

If the touchpad doesn't work, do the following actions one at a time to correct the problem. Do not replace a non-defective FRU:

1. Reconnect the touchpad cables.
2. Replace the touchpad.
3. Replace the system board.

After you use the touchpad, the pointer drifts on the screen for a short time. This self-acting pointer movement can occur when a slight, steady pressure is applied to the touchpad pointer. This symptom is not a hardware problem. No service actions are necessary if the pointer movement stops in a short period of time.

Power-On Self-Test (POST) Error Message

The POST error message index lists the error message and their possible causes. The most likely cause is listed first.

> **Note:** Perform the FRU replacement or actions in the sequence shown in FRU/Action column, if the FRU replacement does not solve the problem, put the original part back in the computer. Do not replace a non-defective FRU.

This index can also help you determine the next possible FRU to be replaced when servicing a computer.

If the symptom is not listed, see “Undetermined Problems” on page 115.

The following lists the error messages that the BIOS displays on the screen and the error symptoms classified by function.

> **Note:** Most of the error messages occur during POST. Some of them display information about a hardware device, e.g., the amount of memory installed. Others may indicate a problem with a device, such as the way it has been configured.

> **Note:** If the system fails after you make changes in the BIOS Setup Utility menus, reset the computer, enter Setup and install Setup defaults or correct the error.

Index of Error Messages

Error Code List

Error Codes	Error Messages
006	Equipment Configuration Error Causes: 1. CPU BIOS Update Code Mismatch 2. IDE Primary Channel Master Drive Error (THe causes will be shown before “Equipment Configuration Error”)
010	Memory Error at xxxx:xxxx:xxxxh (R:xxxxh, W:xxxxh)
070	Real Time Clock Error
071	CMOS Battery Bad
072	CMOS Checksum Error
110	System disabled. Incorrect password is specified.
<No error code>	Battery critical LOW In this situation BIOS will issue 4 short beeps then shut down system, no message will show.
<No error code>	Thermal critical High In this situation BIOS will shut down system, not show message.

Error Message List

Error Messages	FRU/Action in Sequence
Failure Fixed Disk	Reconnect hard disk drive connector. “Load Default Settings” in BIOS Setup Utility. Hard disk drive System board
Stuck Key	see “Keyboard or Auxiliary Input Device Check” on page 98.
Keyboard error	see “Keyboard or Auxiliary Input Device Check” on page 98.
Keyboard Controller Failed	see “Keyboard or Auxiliary Input Device Check” on page 98.
Keyboard locked - Unlock key switch	Unlock external keyboard
Monitor type does not match CMOS - Run Setup	Run “Load Default Settings” in BIOS Setup Utility.
Shadow RAM Failed at offset: nnnn	BIOS ROM System board
System RAM Failed at offset: nnnn	DIMM System board
Extended RAM Failed at offset: nnnn	DIMM System board
System battery is dead - Replace and run Setup	Replace RTC battery and Run BIOS Setup Utility to reconfigure system time, then reboot system.
System CMOS checksum bad - Default configuration used	RTC battery Run BIOS Setup Utility to reconfigure system time, then reboot system.

Error Message List

Error Messages	FRU/Action in Sequence
System timer error	RTC battery Run BIOS Setup Utility to reconfigure system time, then reboot system. System board
Real time clock error	RTC battery Run BIOS Setup Utility to reconfigure system time, then reboot system. System board
Previous boot incomplete - Default configuration used	Run “Load Default Settings” in BIOS Setup Utility. RTC battery System board
Memory size found by POST differed from CMOS	Run “Load Default Settings” in BIOS Setup Utility. DIMM System board
Diskette drive A error	Check the drive is defined with the proper diskette type in BIOS Setup Utility See “External Diskette Drive Check” on page 98.
Incorrect Drive A type - run SETUP	Check the drive is defined with the proper diskette type in BIOS Setup Utility
System cache error - Cache disabled	System board
CPU ID:	System board
DMA Test Failed	DIMM System board
Software NMI Failed	DIMM System board
Fail-Safe Timer NMI Failed	DIMM System board
Device Address Conflict	Run “Load Default Settings” in BIOS Setup Utility. RTC battery System board
Allocation Error for device	Run “Load Default Settings” in BIOS Setup Utility. RTC battery System board
Failing Bits: nnnn	DIMM BIOS ROM System board
Fixed Disk n	None
Invalid System Configuration Data	BIOS ROM System board
I/O device IRQ conflict	Run “Load Default Settings” in BIOS Setup Utility. RTC battery System board
Operating system not found	Enter Setup and see if fixed disk and drive A: are properly identified. Diskette drive Hard disk drive System board

Error Message List

No beep Error Messages	FRU/Action in Sequence
No beep, power-on indicator turns off and LCD is blank.	Power source (battery pack and power adapter). See “Power System Check” on page 99.. Ensure every connector is connected tightly and correctly. Reconnect the DIMM. LED board. System board.
No beep, power-on indicator turns on and LCD is blank.	Power source (battery pack and power adapter). See “Power System Check” on page 99.. Reconnect the LCD connector Hard disk drive LCD inverter ID LCD cable LCD Inverter LCD System board
No beep, power-on indicator turns on and LCD is blank. But you can see POST on an external CRT.	Reconnect the LCD connectors. LCD inverter ID LCD cable LCD inverter LCD System board
No beep, power-on indicator turns on and a blinking cursor shown on LCD during POST.	Ensure every connector is connected tightly and correctly. System board
No beep during POST but system runs correctly.	Speaker System board

Phoenix BIOS Beep Codes

Code	Beeps	POST Routine Description
02h		Verify Real Mode
03h		Disable Non-Maskable Interrupt (NMI)
04h		Get CPU type
06h		Initialize system hardware
08h		Initialize chipset with initial POST values
09h		Set IN POST flag
0Ah		Initialize CPU registers
0Bh		Enable CPU cache
0Ch		Initialize caches to initial POST values
0Eh		Initialize I/O component
0Fh		Initialize the local bus IDE
10h		Initialize Power Management
11h		Load alternate registers with initial POST values
12h		Restore CPU control word during warm boot
13h		Initialize PCI Bus Mastering devices
14h		Initialize keyboard controller
16h	1-2-2-3	BIOS ROM checksum
17h		Initialize cache before memory autosize
18h		8254 timer initialization
1Ah		8237 DMA controller initialization
1Ch		Reset Programmable Interrupt Controller
20h	1-3-1-1	Test DRAM refresh
22h	1-3-1-3	Test 8742 Keyboard Controller
24h		Set ES segment register to 4 GB
26h		Enable A20 line
28h		Autosize DRAM
29h		Initialize POST Memory Manager
2Ah		Clear 215 KB base RAM
2Ch	1-3-4-1	RAM failure on address line xxxx
2Eh	1-3-4-3	RAM failure on data bits xxxx of low byte of memory bus
2Fh		Enable cache before system BIOS shadow
30h	1-4-1-1	RAM failure on data bits xxxx of high byte of memory bus
32h		Test CPU bus-clock frequency
33h		Initialize Phoenix Dispatch Manager
36h		Warm start shut down
38h		Shadow system BIOS ROM
3Ah		Autosize cache

Code	Beeps	POST Routine Description
3Ch		Advanced configuration of chipset registers
3Dh		Load alternate registers with CMOS values
42h		Initialize interrupt vectors
45h		POST device initialization
46h	2-1-2-3	Check ROM copyright notice
48h		Check video configuration against CMOS
49h		Initialize PCI bus and devices
4Ah		Initialize all video adapters in system
4Bh		QuietBoot start (optional)
4Ch		Shadow video BIOS ROM
4Eh		Display BIOS copyright notice
50h		Display CPU type and speed
51h		Initialize EISA board
52h		Test keyboard
54h		Set key click if enabled
58h	2-2-3-1	Test for unexpected interrupts
59h		Initialize POST display service
5Ah		Display prompt “Press F2 to enter SETUP”
5Bh		Disable CPU cache
5Ch		Test RAM between 512 and 640 KB
60h		Test extended memory
62h		Test extended memory address lines
64h		Jump to User Patch1
66h		Configure advanced cache registers
67h		Initialize Multi Processor APIC
68h		Enable external and CPU caches
69h		Setup System Management Mode (SMM) area
6Ah		Display external L2 cache size
6Bh		Load custom defaults (optional)
6Ch		Display shadow-area message
6Eh		Display possible high address for UMB recovery
70h		Display error messages
72h		Check for configuration errors
76h		Check for keyboard errors
7Ch		Set up hardware interrupt vectors
7Eh		Initialize coprocessor if present
80h		Disable onboard Super I/O ports and IRQs
81h		Late POST device initialization

Code	Beeps	POST Routine Description
82h		Detect and install external RS232 ports
83h		Configure non-MCD IDE controllers
84h		Detect and install external parallel ports
85h		Initialize PC-compatible PnP ISA devices
86h		Re-initialize onboard I/O ports
87h		Configure Motherboard Configurable Devices (optional)
88h		Initialize BIOS Area
89h		Enable Non-Maskable Interrupts (NMIs)
8Ah		Initialize Extended BIOS Data Area
8Bh		Test and initialize PS/2 mouse
8Ch		Initialize floppy controller
8Fh		Determine number of ATA drives (optional)
90h		Initialize hard-disk controllers
91h		Initialize local-bus hard-disk controllers
92h		Jump to UserPatch2
93h		Build MPTABLE for multi-processor boards
95h		Install CD ROM for boot
96h		Clear huge ES segment register
97h		Fixup Multi Processor table
98h	1-2	Search for option ROMs. One long, two short beeps on checksum failure.
99h		Check for SMART drive (optional)
9Ah		Shadow option ROMs
9Ch		Set up Power Management
9Dh		Initialize security engine (optional)
9Eh		Enable hardware interrupts
9Fh		Determine number of ATA and SCSI drives
A0h		Set time of day
A2h		Check key lock
A4h		Initialize Typematic rate
A8h		Erase F2 prompt
AAh		Scan for F2 key stroke
ACh		Enter SETUP
AEh		Clear Boot flag
B0h		Check for errors
B2h		POST done- prepare to boot operating system
B4h	1	One short beep before boot
B5h		Terminate QuietBoot (optional)
B6h		Check password (optional)

Code	Beeps	POST Routine Description
B9h		Prepare Boot
BAh		Initialize DMI parameters
BBh		Initialize PnP Option ROMs
BCh		Clear parity checkers
BDh		Display MultiBoot menu
BEh		Clear screen (optional)
BFh		Check virus and backup reminders
C0h		Try to boot with INT 19
C1h		Initialize POST Error Manager (PEM)
C2h		Initialize error logging
C3h		Initialize error display function
C4h		Initialize system error handler
C5h		PnPnd dual CMOS (optional)
C6h		Initialize notebook docking (optional)
C7h		Initialize notebook docking late
C8h		Force check (optional)
C9h		Extended checksum (optional)
D2h		Unknown interrupt

Code	Beeps	
E0h		Initialize the chipset
E1h		Initialize the bridge
E2h		Initialize the CPU
E3h		Initialize the system timer
E4h		Initialize system I/O
E5h		Check force recovery boot
E6h		Checksum BIOS ROM
E7h		Go to BIOS
E8h		Set Huge Segment
E9h		Initialize Multi Processor
EAh		Initialize OEM special code
EBh		Initialize PIC and DMA
ECh		Initialize Memory type
EDh		Initialize Memory size
EEh		Shadow Boot Block
EFh		System memory test
F0h		Initialize interrupt vectors
F1h		Initialize Run Time Clock
F2h		Initialize video
F3h		Initialize System Management Mode
F4h	1	Output one beep before boot

Code	Beeps	
F5h		Boot to Mini DOS
F6h		Clear Huge Segment
F7h		Boot to Full DOS

Index of Symptom-to-FRU Error Message

LCD-Related Symptoms

Symptom / Error	Action in Sequence
LCD backlight doesn't work LCD is too dark LCD brightness cannot be adjusted LCD contrast cannot be adjusted	Enter BIOS Utility to execute “Load Setup Default Settings”, then reboot system. Reconnect the LCD connectors. Keyboard (if contrast and brightness function key doesn't work). LCD inverter ID LCD cable LCD inverter LCD System board
Unreadable LCD screen Missing pels in characters Abnormal screen Wrong color displayed	Reconnect the LCD connector LCD inverter ID LCD cable LCD inverter LCD System board
LCD has extra horizontal or vertical lines displayed.	LCD inverter ID LCD inverter LCD cable LCD System board

Indicator-Related Symptoms

Symptom / Error	Action in Sequence
Indicator incorrectly remains off or on, but system runs correctly	Reconnect the inverter board Inverter board System board

Power-Related Symptoms

Symptom / Error	Action in Sequence
Power shuts down during operation	Power source (battery pack and power adapter). See “Power System Check” on page 99. Battery pack Power adapter Hard drive & battery connection board System board
The system doesn’t power-on.	Power source (battery pack and power adapter). See “Power System Check” on page 99. Battery pack Power adapter Hard drive & battery connection board System board
The system doesn’t power-off.	Power source (battery pack and power adapter). See “Power System Check” on page 99. Hold and press the power switch for more than 4 seconds. System board

Power-Related Symptoms

Symptom / Error	Action in Sequence
Battery can’t be charged	See “Check the Battery Pack” on page 99. Battery pack System board

PCMCIA-Related Symptoms

Symptom / Error	Action in Sequence
System cannot detect the PC Card (PCMCIA)	PCMCIA slot assembly System board
PCMCIA slot pin is damaged.	PCMCIA slot assembly

Memory-Related Symptoms

Symptom / Error	Action in Sequence
Memory count (size) appears different from actual size.	Enter BIOS Setup Utility to execute “Load Default Settings, then reboot system. DIMM System board

Speaker-Related Symptoms

Symptom / Error	Action in Sequence
In Windows, multimedia programs, no sound comes from the computer.	Audio driver Speaker System board
Internal speakers make noise or emit no sound.	Speaker System board

Power Management-Related Symptoms

Symptom / Error	Action in Sequence
The system will not enter hibernation	Keyboard (if control is from the keyboard) Hard disk drive System board
The system doesn't enter hibernation mode and four short beeps every minute.	Press Fn+**0**and see if the computer enters hibernation mode. Touchpad Keyboard Hard disk connection board Hard disk drive System board
The system doesn’t enter standby mode after closing the LCD	LCD cover switch System board
The system doesn't resume from hibernation mode.	Hard disk connection board Hard disk drive System board
The system doesn't resume from standby mode after opening the LCD.	LCD cover switch System board

Power Management-Related Symptoms

Symptom / Error	Action in Sequence
Battery fuel gauge in Windows doesn't go higher than 90%.	Remove battery pack and let it cool for 2 hours. Refresh battery (continue use battery until power off, then charge battery). Battery pack System board
System hangs intermittently.	Reconnect hard disk/CD-ROM drives. Hard disk connection board System board

Peripheral-Related Symptoms

Symptom / Error	Action in Sequence
System configuration does not match the installed devices.	Enter BIOS Setup Utility to execute "Load Default Settings", then reboot system. Reconnect hard disk/CD-ROM/diskette drives.
External display does not work correctly.	Press Fn+F5, LCD/CRT/Both display switching System board
USB does not work correctly	System board
Print problems.	Ensure the "Parallel Port" in the "Onboard Devices Configuration" of BIOS Setup Utility is set to Enabled. Onboard Devices Configuration Run printer self-test. Printer driver Printer cable Printer System Board
Serial or parallel port device problems.	Ensure the "Serial Port" in the Devices Configuration" of BIOS Setup Utility is set to Enabled. Device driver Device cable Device System board

Keyboard/Touchpad-Related Symptoms

Symptom / Error	Action in Sequence
Keyboard (one or more keys) does not work.	Reconnect the keyboard cable. Keyboard System board
Touchpad does not work.	Reconnect touchpad cable. Touchpad board System board

Modem-Related Symptoms

Symptom / Error	Action in Sequence
Internal modem does not work correctly.	Modem phone port modem combo board System board

Note: If you cannot find a symptom or an error in this list and the problem remains, see "Undetermined

Problems” on page 115.

Intermittent Problems

Intermittent system hang problems can be caused by a variety of reasons that have nothing to do with a hardware defect, such as: cosmic radiation, electrostatic discharge, or software errors. FRU replacement should be considered only when a recurring problem exists.

When analyzing an intermittent problem, do the following:

1. Run the advanced diagnostic test for the system board in loop mode at least 10 times.
2. If no error is detected, do not replace any FRU.
3. If any error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

The diagnostic problems does not identify which adapter or device failed, which installed devices are incorrect, whether a short circuit is suspected, or whether the system is inoperative.

Follow these procedures to isolate the failing FRU (do not isolate non-defective FRU).

> **Note:** Verify that all attached devices are supported by the computer.

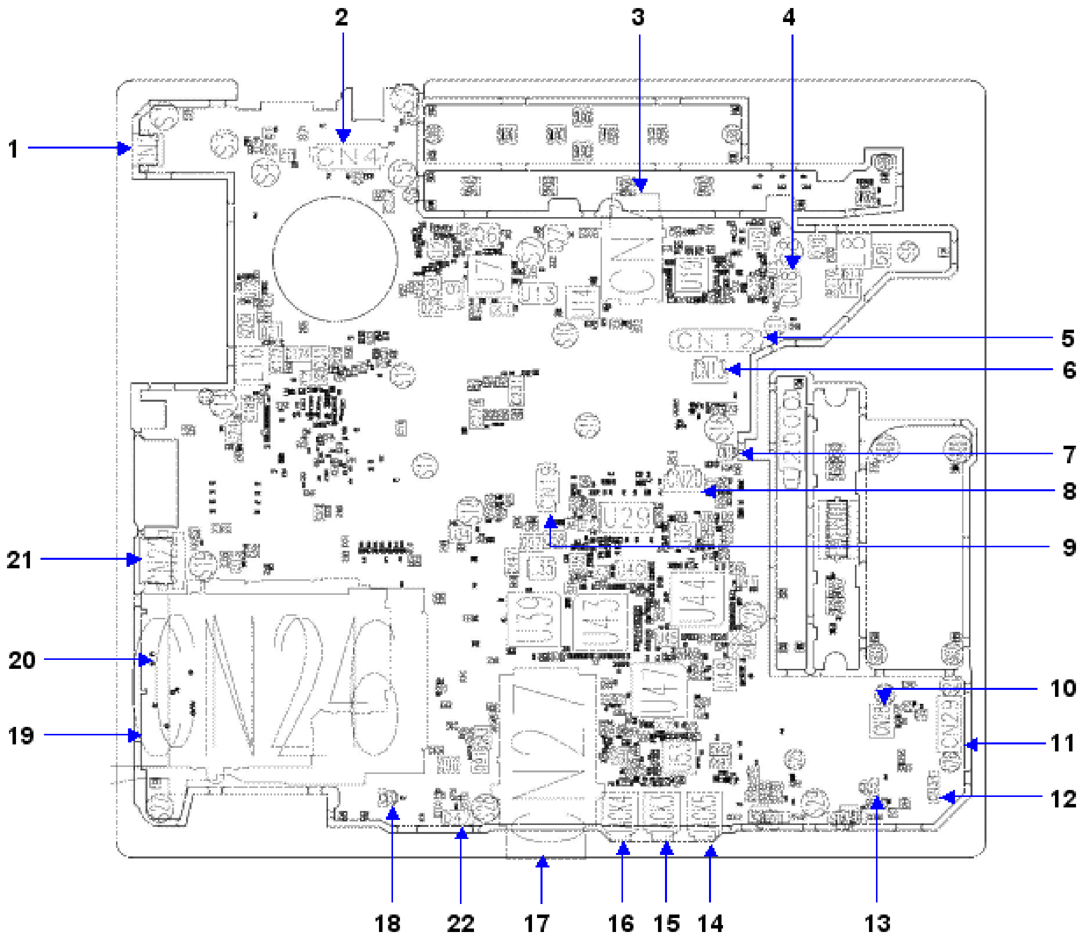
> **Note:** Verify that the power supply being used at the time of the failure is operating correctly. (See “Power System Check” on page 99.):

1. Power-off the computer.
2. Visually check them for damage. If any problems are found, replace the FRU.
3. Remove or disconnect all of the following devices:
    - Non-Acer devices
    - Printer, mouse, and other external devices
    - Battery pack
    - Hard disk drive
    - DIMM
    - CD-ROM/Diskette drive Module
    - PC Cards
4. Power-on the computer.
5. Determine if the problem has changed.
6. If the problem does not recur, reconnect the removed devices one at a time until you find the failing FRU.
7. If the problem remains, replace the following FRU one at a time. Do not replace a non-defective FRU:
    - System board
    - LCD assembly

Jumper and Connector Locations

Connector Locations

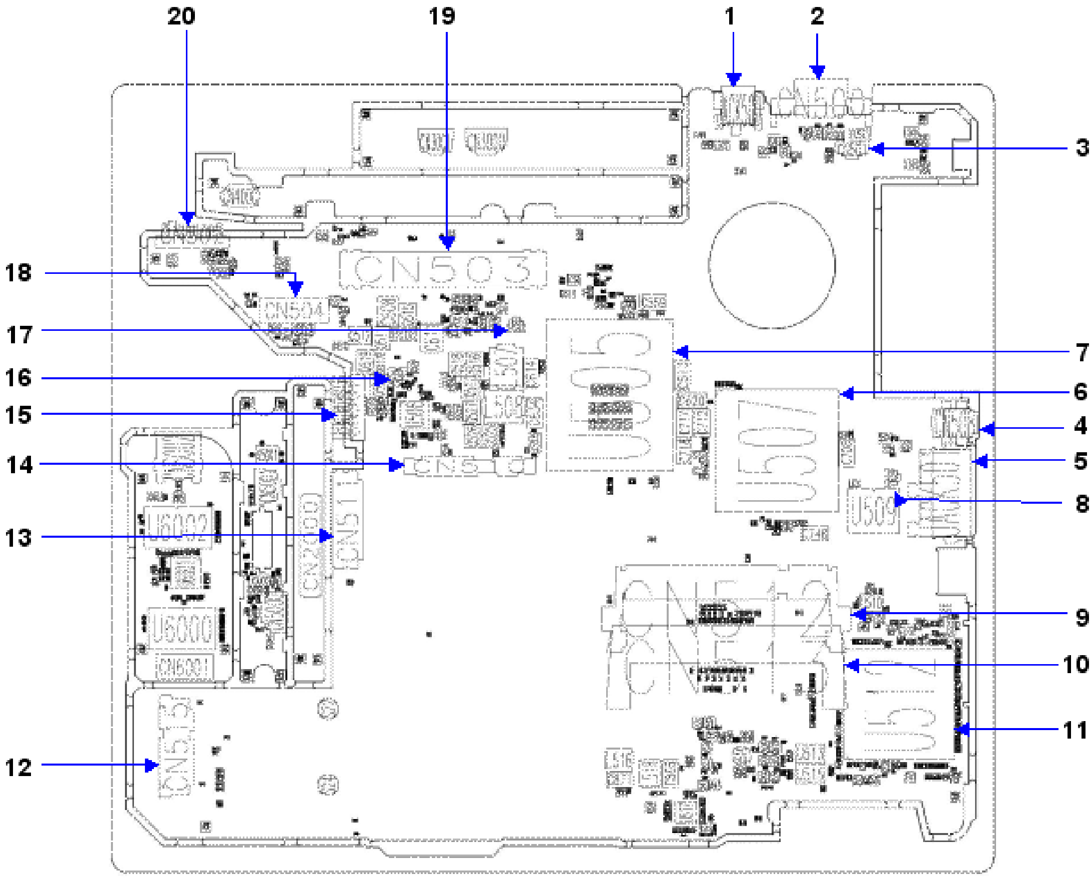
Top View



Item	Name	Description	Item	Name	Description
1	CN2	S-Video	12	CN34	Bluetooth Cable CNTR
2	CN4	LCM Cable CNTR	13	CN32	Speaker Cable CNTR
3	CN7	3G Card CNTR	14	Jack5	Headphone Jack
4	CN8	Hot Keyboard CNTR	15	Jack3	Line-In Jack
5	CN12	Keyboard FFC CNTR	16	Jack4	MIC Jack
6	CN13	Fine Track FFC CNTR	17	CN27	5 in 1 Card Reader Socket
7	CN18	MIC Cable CNTR	18	CN33	Speaker CAble CNTR
8	CN20	TouchPad FFC CNTR	19	CN24	PCMCIA Socket
9	CN19	SmartCard CAble CNTR	20	CN26	PCMCIA Socket
10	CN28	MDC CNTR	21	CN22	USB

Item	Name	Description	Item	Name	Description
11	CN29	IO Board CNTR	22	D47	IR Receiver

Bottom View



Item	Name	Description	Item	Name	Description
1	Jack500	DC In Jack	11	U512	South Bridge
2	CN500	Serial Port	12	CN515	W/LAN Card CNTR
3	CN501	Fan Cable CNTR	13	CN511	ODD CNTR
4	CN508	1394	14	CN510	HDD CNTR
5	Jack501	Ethernet jack and RJ11 Jack	15	CN507	Second Battery CNTR
6	U507	North Bridge	16	CN506	RTC Battery CNTR
7	U505	CPU Socket	17	CN505	MDC Cable CNTR
8	CN509	MDC Cable CNTR	18	CN504	MainBoard and IO Board CNTR
9	CN512	DIMM Socket	19	CN503	Docking CNTR
10	CN513	DIMM Socket	20	CN502	Battery CNTR

Connector Pin Definitions

CN4 LCD I/F Connector (40-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	+V5S	-	21	LVDS_TXDL2+	O
2	INV_PWM_3	O	22	GND	-
3	+V5S	-	23	LVDS_TXDL2-	O
4	GND	O	24	LVDS_TXDL1+	O
5	BKLTEN	O	25	GND	-
6	LVDS_TXCU+	O	26	LVDS_TXDL1-	O
7	GND	-	27	LVDS_TXDL0+	O
8	LVDS_TXCU-	O	28	GND	-
9	LVDS_TXDU2+	O	29	LVDS_TXDL0-	O
10	GND	-	30	LCM_DDCPDATA	O
11	LVDS_TXDU2-	O	31	GND	-
12	LVDS_TXDU1+	O	32	NC	-
13	GND	-	33	LCM_DDCPCLK	O
14	LVDS_TXDU1-	O	34	+V3S_DSC	-
15	LVDS_TXDU0+	O	35	GND	-
16	GND	-	36	+V3S	O
17	LVDS_TXDU0-	O	37	USB_PN6	O
18	LVDS_TXCL+	O	38	+V3S_LCM	O
19	GND	-	39	USB_PP6	O
20	LVDS_TXCL-	O	40	+V3S_LCM	O

CN20 Touch PAD I/F Connector (12-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	+5S	-	7	GND	-
2	+5S	-	8	GND	-
3	IM_CLOCK	O	9	USB_P5+	I/O
4	IM_DATA	O	10	USB_P5-	I/O
5	IM_CLOCK1	O	11	NC	-
6	IM_DATA1	O	12	+V3S	-

CN12 Keyboard I/F Connector (25-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	SCAN_IN(0)	O	14	SCAN_IN(4)	O
2	SCAN_IN(1)	O	15	SCAN_OUT(9)	O
3	SCAN_IN(2)	O	16	SCAN_IN(5)	O
4	SCAN_OUT(0)	O	17	SCAN_IN(6)	O
5	SCAN_OUT(1)	O	18	SCAN_OUT(10)	O
6	SCAN_OUT(2)	O	19	SCAN_OUT(11)	O
7	SCAN_IN(3)	O	20	SCAN_IN(7)	O
8	SCAN_OUT(3)	O	21	SCAN_OUT(12)	O
9	SCAN_OUT(4)	O	22	SCAN_OUT(12)	O
10	SCAN_OUT(5)	O	23	XSCAN_OUT(14)	O

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
11	SCAN_OUT(6)	O	24	SCAN_OUT(15)	O
12	SCAN_OUT(7)	O			-
13	SCAN_OUT(8)	O			

CN27 Cardreader Connector-TD (43-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	SD_D2	I/O	23	SD_WP_SM_WPI#	I/O
2	GND	-	24	GND	-
3	SD_D3	I/O	25	GND	-
4	+V3S	-	26	XD_CD#	I/O
5	SD_MS_CLK	I/O	27	XD_R_B#	I/O
6	SD_CMD	I/O	28	XD_RE#	I/O
7	MS_D3_XD_D0	I/O	29	XD_CE#	I/O
8	GND	-	30	XD_CLE	I/O
9	MS_CD#	I/O	31	XD_ALE	I/O
10	MS_D2_XD_D1	I/O	32	XD_WE#	I/O
11	+V3S	-	33	XD_WPO#	I/O
12	MS_D0_XD_D2	I/O	34	GND	-
13	MS_D1_XD_D7	I/O	35	MS_D3_XD_D0	I/O
14	SD_MS_CLK	I/O	36	MS_D2_XD_D1	I/O
15	MS_S_XD_D3	I/O	37	MS_D0_XD_D2	I/O
16	GND	-	38	MS_BS_XD_D3	I/O
17	GND	-	39	XD_D4	I/O
18	SD_D0	I/O	40	XD_D5	I/O
19	SD_D1	I/O	41	XD_D6	I/O
20	SD_CD#	I/O	42	MS_D1_XD_D7	I/O
21	GND	-	43	+V3S	-
22	GND	-			

JACK501 RJ45&RJ11 Connector (14-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	MDMTIP	O	8	RD-	I
2	MDMRNG	O	9	D+	I/O
3	TD+	O	10	D-	I/O
4	TD-	O	A1	+V3M_LAN	-
5	RD+	I	A2	LAN_MB_LINKLED#	I
6	C+	I/O	B1	+V3M_LAN	-
7	C-	I/O	B2	LAN_MB_ACTLED#	I

CN7 CRT I/F Connector (15-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	RED	O	9	+V5S_SYNC	-
2	GREEN	O	10	GND	-
3	BLUE	O	11	NC	-
4	NC	-	12	U_CRT_DDCDATA	I/O

CN7 CRT I/F Connector (15-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
5	CRTDECT#	I	13	HSYNC	O
6	GND	-	14	VSYNC	O
7	GND	-	15	U_CRT_DDCCLK	O
8	GND	-			

CN501 Fan Connector (3-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	FAN1_PWM_3	-	3	FAN_TACH1	O
2	GND	-	-	-	-

CN504 Board to Board Connector (30-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	BUF_PLT_RST#	O	21	+V3S	-
2	WXMIT_OFF#	-	22	GND	-
3	UIM_VPP	I/O	23	USB_P8-	I/O
4	UIM_RST	I/O	24	USB_P8+	I/O
5	UIM_CLK	I/O	25	GND	-
6	UIM_DATA	I/O	26	WWAN_LED#	-
7	UIM_PWR-	I/O	27	+V3S	-
8	GND	-	28	+V3S	-
9	GND	-	29	GND	-
10	+V3S	-	30	GND	-
11	+V3S	-	31	SDTR#_3	I/O
12	+V5A_USB2	-	32	STXD_3	I/O
13	+V5A_USB2	-	33	SRTS#_3	I/O
14	+V5A_USB2	-	34	SRI#_3	I/O
15	+V5A_USB2	-	35	SCTS#_3	I/O
16	GND	-	36	SRXD_3	I/O
17	GND	-	37	SDSR#_3	I/O
18	USB_P0-	I/O	38	SDCD#_3	I/O
19	USB_P0+	I/O	39	DOCK_DETECT#_3S	I
20	GND	I/O	40	+V3S	-

CN513 Memory Connector 0 (200-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	M_VREF	-	2	GND	-
3	GND	-	4	MA_DATA4	I/O
5	MA_DATA1	I/O	6	MA_DATA5	I/O
7	MA_DATA0	I/O	8	GND	-
9	GND	-	10	MB_DM0	I/O
11	MB_DQS#0	I/O	12	GND	-
13	MB_DQS0	I/O	14	MA_DATA7	I/O
15	GND	-	16	MA_DATA6	I/O
17	MA_DATA2	I/O	18	GND	-

CN513 Memory Connector 0 (200-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
19	MA_DATA3	I/O	20	MA_DATA9	I/O
21	GND	-	22	MA_DATA13	I/O
23	MA_DATA12	I/O	24	GND	-
25	MA_DATA8	I/O	26	MB_DM1	I/O
27	GND	-	28	GND	-
29	MB_DQS#1	I/O	30	M_CLKOUT0	I
31	MB_DQS1	I/O	32	M_CLKOUT0#	I
33	GND	-	34	GND	-
35	MA_DATA10	I/O	36	MA_DATA15	I/O
37	MA_DATA11	I/O	38	MA_DATA14	I/O
39	GND	-	40	GND	-
41	GND	-	42	GND	-
43	MA_DATA17	I/O	44	MA_DATA20	I/O
45	MA_DATA21	I/O	46	MA_DATA19	I/O
47	GND	-	48	GND	-
49	MA_DQS#2	I/O	50	N.C.	-
51	MA_DQS2	I/O	52	MA_DM2	I/O
53	GND	-	54	GND	-
55	MA_DATA23	I/O	56	MA_DATA22	I/O
57	MA_DATA22	I/O	58	MA_DATA16	I/O
59	GND	-	60	GND	-
61	MA_DATA29	I/O	62	MA_DATA24	I/O
63	MA_DATA28	I/O	64	MA_DATA25	I/O
65	GND	-	66	GND	-
67	MA_DM3	I/O	68	MA_DQS#3	I/O
69	N.C.	-	70	MA_DATA3	I/O
71	GND	-	72	GND	-
73	MA_DATA31	I/O	74	MA_DATA26	I/O
75	MA_DATA30	I/O	76	MA_DATA27	I/O
77	GND	I/O	78	GND	-
79	M_CKE0	I	80	M_CKE1	I
81	+1.8VSUS	-	82	+1.8VSUS	-
83	MA_CS#2	I	84	MA_A15	I
85	MA_BS#2	I	86	MA_A14	I
87	+1.8VSUS	-	88	+1.8VSUS	-
89	MA_A12	I	90	MA_A11	I
91	MA_A9	I	92	MA_A7	I
93	MA_A8	I	94	MA_A6	I
95	+1.8VSUS	-	96	+1.8VSUS	-
97	MA_A5	I	98	MA_A4	I
99	MA_A3	I	100	MA_A2	I
101	MA_A1	I	102	MA_A0	I

CN513 Memory Connector 0 (200-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
103	+1.8VSUS	-	104	+1.8VSUS	-
105	MA_A10	I	106	MA_BS#1	I
107	MA_BS#0	I	108	MA_RAS#	I
109	MA_WE#	I	110	MA_CS#0	I
111	+1.8VSUS	-	112	+1.8VSUS	-
113	MA_CAS#	-	114	M_ODT0	I
115	MA_CS#0	I	116	MA_A13	I
117	+1.8VSUS	-	118	+1.8VSUS	-
119	M_ODT1	I	120	N.C.	-
121	GND	-	122	GND	-
123	MA_DATA32	I/O	124	MA_DATA33	I/O
125	MA_DATA36	I/O	126	MA_DATA38	I/O
127	GND	-	128	GND	-
129	MA_DQS#4	I/O	130	MA_DM4	I/O
131	MA_DQS4	I/O	132	GND	-
133	GND	-	134	MA_DATA34	I/O
135	MA_DATA37	I/O	136	MA_DATA39	I/O
137	MA_DATA35	I/O	138	GND	-
139	GND	-	140	MA_DATA44	I/O
141	MA_DATA40	I/O	142	MA_DATA45	I/O
143	MA_DATA41	-	144	GND	-
145	GND	-	146	MA_DATA19	I/O
147	MA_DM5	I/O	148	MA_DQS5	I/O
149	GND	-	150	GND	-
151	MA_DATA42	I/O	152	MA_DATA43	I/O
153	MA_DATA46	I/O	154	MA_DATA47	I/O
155	GND	-	156	GND	-
157	MA_DATA49	I/O	158	MA_DATA53	I/O
159	MA_DATA52	I/O	160	MA_DATA48	I/O
161	GND	-	162	GND	-
163	N.C.	-	164	M_CLKOUT1	I
165	GND	-	166	M_CLKOUT1#	I
167	MA_DQS#6	I/O	168	GND	-
169	MA_DQS6	I/O	170	MA_DM6	I/O
171	GND	-	172	GND	-
173	MA_DATA50	I/O	174	MA_DATA55	I/O
175	MA_DATA51	I/O	176	MA_DATA54	I/O
177	GND	-	178	GND	-
179	MA_DATA60	I/O	180	MA_DATA57	I/O
181	MA_DATA56	I/O	182	MA_DATA61	I/O
183	GND	-	184	GND	-
185	MA_DM7	I/O	186	MA_DQS#7	I/O

CN513 Memory Connector 0 (200-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
187	GND	-	188	MA_DQS7	I/O
189	MA_DATA58	I/O	190	GND	-
191	MA_DATA63	I/O	192	MA_DATA59	I/O
193	GND	-	194	MA_DATA62	I/O
195	PDAT_SMB	I/O	196	GND	-
197	PCLK_SMB	I/O	198	GND	-
199	+3V	-	200	GND	-

CN512 Memory Connector 1 (200-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	MVREF_DM1	-	2	GND	-
3	GND	-	4	MB_DATA4	I/O
5	MB_DATA1	I/O	6	MB_DATA5	I/O
7	MB_DATA0	I/O	8	GND	-
9	GND	-	10	MB_DM0	I/O
11	MB_DQS#0	I/O	12	GND	-
13	MB_DQS0	I/O	14	MB_DATA7	I/O
15	GND	-	16	MB_DATA6	I/O
17	MB_DATA2	I/O	18	GND	-
19	MB_DATA3	I/O	20	MB_DATA9	I/O
21	GND	-	22	MB_DATA13	I/O
23	MB_DATA12	I/O	24	GND	-
25	MB_DATA8	I/O	26	MB_DM1	I/O
27	GND	-	28	GND	-
29	MB_DQS#1	I/O	30	M_CLKOUT0	I
31	MB_DQS1	I/O	32	M_CLKOUT0#	I
33	GND	-	34	GND	-
35	MB_DATA10	I/O	36	MB_DATA15	I/O
37	MB_DATA11	I/O	38	MB_DATA14	I/O
39	GND	-	40	GND	-
41	GND	-	42	GND	-
43	MB_DATA17	I/O	44	MB_DATA20	I/O
45	MB_DATA21	I/O	46	MB_DATA19	I/O
47	GND	-	48	GND	-
49	MB_DQS#2	I/O	50	N.C.	-
51	MB_DQS2	I/O	52	MB_DM2	I/O
53	GND	-	54	GND	-
55	MB_DATA23	I/O	56	MB_DATA22	I/O
57	MB_DATA22	I/O	58	MB_DATA16	I/O
59	GND	-	60	GND	-
61	MB_DATA29	I/O	62	MB_DATA24	I/O
63	MB_DATA28	I/O	64	MB_DATA25	I/O
65	GND	-	66	GND	-

CN512 Memory Connector 1 (200-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
67	MB_DM3	I/O	68	MB_DQS#3	I/O
69	N.C.	-	70	MB_DQS3	I/O
71	GND	-	72	GND	-
73	MB_DATA31	I/O	74	MB_DATA26	I/O
75	MB_DATA30	I/O	76	MB_DATA27	I/O
77	GND	I/O	78	GND	-
79	M_CKE0	I	80	M_CKE1	I
81	+1.8VSUS	-	82	+1.8VSUS	-
83	MB_CS#2	I	84	MB_A15	I
85	MB_BS#2	I	86	MB_A14	I
87	+1.8VSUS	-	88	+1.8VSUS	-
89	MB_A12	I	90	MB_A11	I
91	MB_A9	I	92	MB_A7	I
93	MB_A8	I	94	MB_A6	I
95	+1.8VSUS	-	96	+1.8VSUS	-
97	MB_A5	I	98	MB_A4	I
99	MB_A3	I	100	MB_A2	I
101	MB_A1	I	102	MB_A0	I
103	+1.8VSUS	-	104	+1.8VSUS	-
105	MB_A10	I	106	MB_BS#1	I
107	MB_BS#0	I	108	MB_RAS#	I
109	MB_WE#	I	110	MB_CS#0	I
111	+1.8VSUS	-	112	+1.8VSUS	-
113	MB_CAS#	-	114	M_ODT0	I
115	MB_CS#0	I	116	MB_A13	I
117	+1.8VSUS	-	118	+1.8VSUS	-
119	M_ODT1	I	120	N.C.	-
121	GND	-	122	GND	-
123	MB_DATA32	I/O	124	MB_DATA33	I/O
125	MB_DATA36	I/O	126	MB_DATA38	I/O
127	GND	-	128	GND	-
129	MB_DQS#4	I/O	130	MB_DM4	I/O
131	MB_DQS4	I/O	132	GND	-
133	GND	-	134	MB_DATA34	I/O
135	MB_DATA37	I/O	136	MB_DATA39	I/O
137	MB_DATA35	I/O	138	GND	-
139	GND	-	140	MB_DATA44	I/O
141	MB_DATA40	I/O	142	MB_DATA45	I/O
143	MB_DATA41	-	144	GND	-
145	GND	-	146	MB_DQS5#	I/O
147	MB_DM5	I/O	148	MB_DQS5	I/O
149	GND	-	150	GND	-

CN512 Memory Connector 1 (200-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
151	MB_DATA42	I/O	152	MB_DATA43	I/O
153	MB_DATA46	I/O	154	MB_DATA47	I/O
155	GND	-	156	GND	-
157	MB_DATA49	I/O	158	MB_DATA53	I/O
159	MB_DATA52	I/O	160	MB_DATA48	I/O
161	GND	-	162	GND	-
163	N.C.	-	164	M_CLKOUT1	I
165	GND	-	166	M_CLKOUT1#	I
167	MB_DQS#6	I/O	168	GND	-
169	MB_DQS6	I/O	170	MB_DM6	I/O
171	GND	-	172	GND	-
173	MB_DATA50	I/O	174	MB_DATA55	I/O
175	MB_DATA51	I/O	176	MB_DATA54	I/O
177	GND	-	178	GND	-
179	MB_DATA60	I/O	180	MB_DATA57	I/O
181	MB_DATA56	I/O	182	MB_DATA61	I/O
183	GND	-	184	GND	-
185	MB_DM7	I/O	186	MB_DQS#7	I/O
187	GND	-	188	MB_DQS7	I/O
189	MB_DATA58	I/O	190	GND	-
191	MB_DATA63	I/O	192	MB_DATA59	I/O
193	GND	-	194	MB_DATA62	I/O
195	PDAT_SMB	I/O	196	GND	-
197	PCLK_SMB	I/O	198	GND	-
199	+3V	-	200	GND	-

CN2 S-Video (7-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	GND	-	2	GND	-
3	LUMA	-	4	CHROMA	O
5	NC	-	6	NC	-
7	NC	O	8		-
9		-			

CN511 Multi-Bay Connector (50-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	N.C.	-	2	+V5S_ODD	-
3	+V5S_ODD	-	4	+V5S_ODD	-
5	BAY_ID1	I	6	BAY_ID0	I/O
7	PIDE_3S_CS#(1)	I/O	8	PIDE_3S_A(2)	I/O
9	PDIAG#	I/O	10	NC	I/O
11	PIDE_3S_DACK#	I/O	12	GND	I/O
13	PIDE_3S_IOR#	I/O	14	PIDE_3S_DREQ	I/O

CN511 Multi-Bay Connector (50-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
15	PIDE_3S_D(15)	I/O	16	PIDE_3S_D(14)	I/O
17	PIDE_3S_D(13)	I/O	18	PIDE_3S_D(12)	I/O
19	PIDE_3S_D(11)	I/O	20	PIDE_3S_D(10)	I/O
21	PIDE_3S_D(9)	I/O	22	PIDE_3S_D(8)	I
23	GND	-	24	SATA_SB_C_TXN1	O
25	SATA_SB_C_TXP1	O	26	GND	-
27	+V3S	-	28	+V3S	O
29	BAY_INS#	I	30	GND	-
31	CD_LED#	I	32	PIDE_3S_CS#(0)	O
33	PIDE_3S_A(0)	O	34	PIDE_3S_A(1)	O
35	PIDE_3S_IRQ_R	O	36	PIDE_3S_IORDY	O
37	PIDE_3S_LOW#	I	38	GND	-
39	PIDE_3S_D(0)	I/O	40	PIDE_3S_D(1)	-
41	PIDE_3S_D(2)	I/O	42	PIDE_3S_D(3)	-
43	PIDE_3S_D(4)	I/O	44	PIDE_3S_D(5)	-
45	PIDE_3S_D(6)	I/O	46	PIDE_3S_D(7)	-
47	+V5S	-	48	GND	-
49	SATA_SB_C_RXN1	I	50	SATA_SB_C_RXP1	-

CN22 USB Connector (4-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	+V5A_USB1	-	2	USBP1-	I/O
3	USBP1+	I/O	4	GND	-

CN506 RTC Battery Holder (2-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	+V_RTC	-	2	GND	-

CN510 HDD I/F Connector (22-PIN,SATA)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	GND	-	2	SATA_SB_C_TXP0	O
3	SATA_SB_C_TXN0	O	4	GND	-
5	SATA_SB_C_RXP0	I	6	SATA_SB_C_RXN0	I
7	GND	-	8	NC	-
9	NC	-	10	NC	-
11	GND	-	12	GND	-
13	GND	-	14	+V5S	-
15	+V5S	-	16	+V5S	-
17	GND	-	18	N.C.	-
19	GND	-	20	NC	-
21	NC	-	22	NC	-

CN19 PC Card Connector (68-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	GND	-	2	A_CAD0	I/O

CN19 PC Card Connector (68-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
3	A_CAD1	I/O	4	A_CAD3	I/O
5	A_CAD5	I/O	6	A_CAD7	I/O
7	A_CC/BE0#	I/O	8	A_CAD9	I/O
9	A_CAD11	I/O	10	A_CAD12	I/O
11	A_CAD14	I/O	12	A_CC/BE1#	I/O
13	A_CPAR	I/O	14	A_CPERR#	O
15	A_CGNT#	I	16	A_CINT#	O
17	VCCCB	-	18	AVPP	-
19	A_CCLK1	I	20	A_CIRDY#	O
21	A_CC/BE2#	I/O	22	A_CAD18	I/O
23	A_CAD20	I/O	24	A_CAD21	I/O
25	A_CAD22	I/O	26	A_CAD23	I/O
27	A_CAD24	I/O	28	A_CAD25	I/O
29	A_CAD26	I/O	30	A_CAD27	I/O
31	A_CAD29	I/O	32	A_CRSVD/D2	I/O
33	A_CCLKRUN#	O	34	GND	-
35	GND	-	36	A_CCD1#	I/O
37	A_CAD2	I/O	38	A_CAD4	I/O
39	A_CAD6	I/O	40	A_RSVD/D14	I/O
41	A_CAD8	I/O	42	A_CAD10	I/O
43	A_CVS1#	I/O	44	A_CAD13	I/O
45	A_CAD15	I/O	46	A_CAD16	I/O
47	A_CRSVD/A18	I/O	48	A_CBLOCK#	I/O
49	A_CSTOP#	O	50	A_CDEVSEL#	I/O
51	VCCCB	-	52	AVPP	-
53	A_CTRDY#	I/O	54	A_CFRAME#	I/O
55	A_CAD17	I/O	56	A_CAD19	I/O
57	A_CVS2#	I/O	58	A_CRST#	I
59	A_CSERR#	O	60	A_CREQ#	O
61	A_CC/BE3#	I/O	62	A_CAUDIO	O
63	A_CSTSCHG	I/O	64	A_CAD28	I/O -
65	A_CAD30	I/O	66	A_CAD31	I/O -
67	A_CCD2#	I/O	68	GND	-

CN28 MDC Connector (12-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	GND	-	2	MDC.(3V)	-
3	MC97_3S_SDOUT	O	4	N.C.	-
5	GND	-	6	MDC(3V)	-
7	MC97_3S_SYNC	O	8	GND	-
9	HAD_3S_SDIN1	I	10	GND	-
11	MC97_3S_RST#	O	12	MC97_3S_BITCLK	O

CN18 Internal Microphone Connector (2-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	MIC_INT	I	2	AUDGND	-

CN32/33 Internal Speaker Connector (4-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	SPK_OUT_L-	O	2	SPK_OUT_L+	O

CN24 MINI-PCI connector (124-PIN) (1/2)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	N.C.	-	2	N.C.	-
3	N.C.	-	4	N.C.	-
5	N.C.s	-	6	N.C.	-
7	N.C.	-	8	N.C.	-
9	N.C.	-	10	N.C.	-
11	WIRELESS_LED	O	12	N.C.	-
13	RF_EN	I	14	N.C.	-
15	N.C.	-	16	N.C.	-
17	INTE#	I	18	+5V	-
19	+3V	-	20	INTF#	O
21	N.C.	-	22	N.C.	-
23	GND	-	24	3VSUS	-
25	PCLK_MINI	I	26	PCIRST#	O
27	GND	-	28	+3V	-
29	REQ2#	I	30	GNT2#	O
31	+3V	-	32	GND	-
33	AD31	I/O	34	M_PME#	O
35	AD29	I/O	36	N.C.	-
37	GND	-	38	AD30	I/O
39	AD27	I/O	40	+3V	-
41	AD25	I/O	42	AD28	I/O
43	N.C.	O	44	AD26	I/O
45	CBE3#	I/O	46	AD24	I/O
47	AD23	I/O	48	IDSEL_MP	I/O
49	GND	-	50	GND	-
51	AD21	I/O	52	AD22	I/O
53	AD19	I/O	54	AD20	I/O
55	GND	-	56	PAR	I/O
57	AD17	I/O	58	AD18	I/O
59	CBE2#	I/O	60	AD16	I/O
61	IRDY#	I/O	62	GND	-
63	+3V	-	64	FRAME#	I/O
65	CLKRUN#	I/O	66	TRDY#	I/O
67	SERR#	I	68	STOP#	I/O
69	GND	-	70	+3V	-

CN24 MINI-PCI connector (124-PIN) (1/2)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
71	PERR#	I/O	72	DEVSEL#	I/O
73	CBE1#	I/O	74	GND	-
75	AD14	I/O	76	AD15	I/O
77	GND	-	78	AD13	I/O
79	AD12	I/O	80	AD11	I/O
81	AD10	I/O	82	GND	-
83	GND	-	84	AD9	I/O
85	AD8	I/O	86	CBE0#	I/O
87	AD7	I/O	88	+3V	-
89	+3V	-	90	AD6	I/O
91	AD5	I/O	92	AD4	I/O
93	N.C.	-	94	AD2	I/O
95	AD3	I/O	96	AD0	I/O
97	+5V	-	98	N.C.	-
99	AD1	I/O	100	SERIRQ	I
101	GND	-	102	GND	-
103	N.C.	-	104	N.C.	-
105	N.C.	-	106	N.C.	-
107	N.C.	-	108	N.C.	-
109	N.C.	-	110	N.C.	-
111	N.C.	-	112	N.C.	-
113	GND	-	114	GND	-
115	N.C.	-	116	N.C.	-
117	N.C.	-	118	GND	-
119	GND	-	120	GND	-
121	N.C.	-	122	N.C.	-
123	+5V	-	124	3VSUS	-

JACK4 LineIn Connector (6-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	ANDGND	-	2	LINEIN_L	O
3	LINEIN_R	O	4	LINEIN_JD	O
5	ANDGND	-	6	LINEIN_L	O-

JACK3 External MIC Connector (6-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	ANDGND	-	2	MIC1_L	I
3	MIC1_R	I	4	MIC1_JD	O
5	ANDGND	-	6	MIC1_L	-

CN27 Cardreader Connector-North Star (43-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	SD-D2	I/O	23	SD-WP_SM_WPI#	I/O
2	GND	-	24	GND	-

CN27 Cardreader Connector-North Star (43-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
3	SD-D3	I/O	25	GND	-
4	VCC	-	26	XD-CD#	I/O
5	SD-MS-CLK	I/O	27	XD-R_B#	I/O
6	SD-CMD	I/O	28	XD_RE#	I/O
7	MS-D3_XD_D0	I/O	29	XD_CE#	I/O
8	GND	-	30	XD_CLE	I/O
9	MS-CD#	I/O	31	XD_ALE	I/O
10	MS-D2_XD_D1	I/O	32	XD_WE#	I/O
11	VCC	-	33	XD_WP0#	I/O
12	MS-D0_XD_D2	I/O	34	XGND	-
13	MS-D1_XD_D7	I/O	35	MS_D3_XD_D0	I/O
14	SD-MS_CLK	I/O	36	MS_D2_XD_D1	I/O
15	MS-BS_XD_D3	I/O	37	MS_D0_XD_D2	I/O
16	GND	-	38	MS_BS_XD_D3	I/O
17	GND	-	39	XD_D4	I/O
18	SD-D0	I/O	40	XD_D5	I/O
19	SD-D1	I/O	41	XD_D6	I/O
20	SD-CD#	I/O	42	MS_D1_XD_D7	I/O
21	GND	-	43	VCC	-
22	GND	-	44		

CN502 Battery Connector (7-PIN)

PIN No.	Signal name	I/O	PIN No.	Signal name	I/O
1	+VPACK	-	2	+VACK	
3	BATTERY1_IN	I	4	BAT1_DATA	O
5	BAT1_CLK	O	6	GND	-
7	GND	-	-	-	-

FRU (Field Replaceable Unit) List

This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of the TravelMate 6492. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

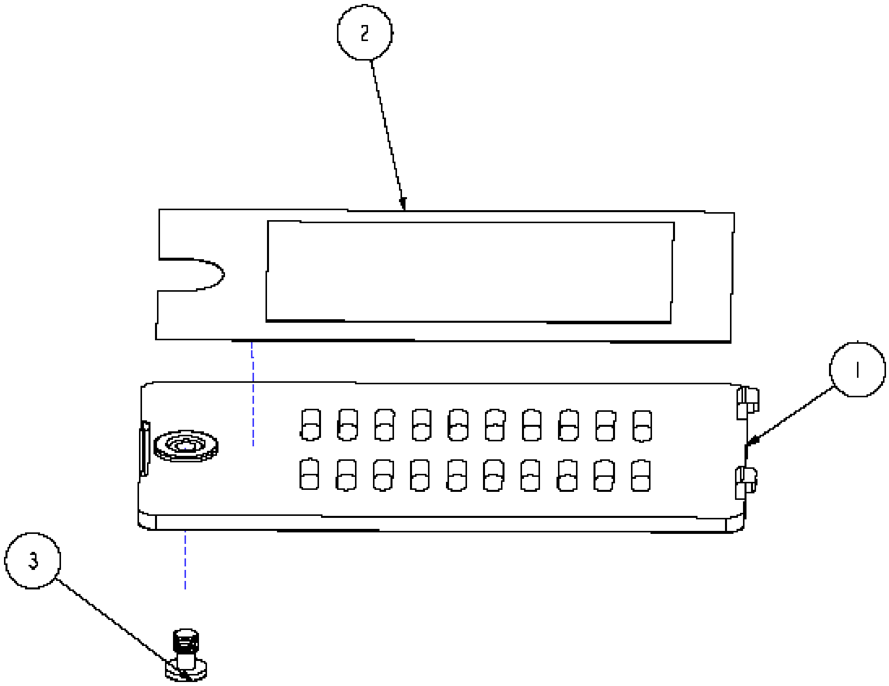
Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

> Note: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

For a complete parts list see

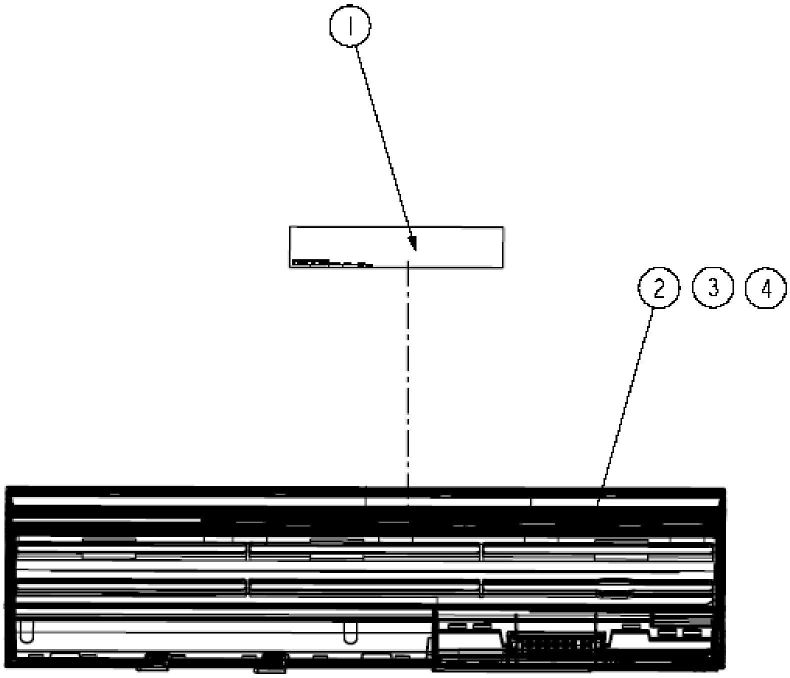
TravelMate 6492 Exploded Diagrams

3G Cover Ass'y



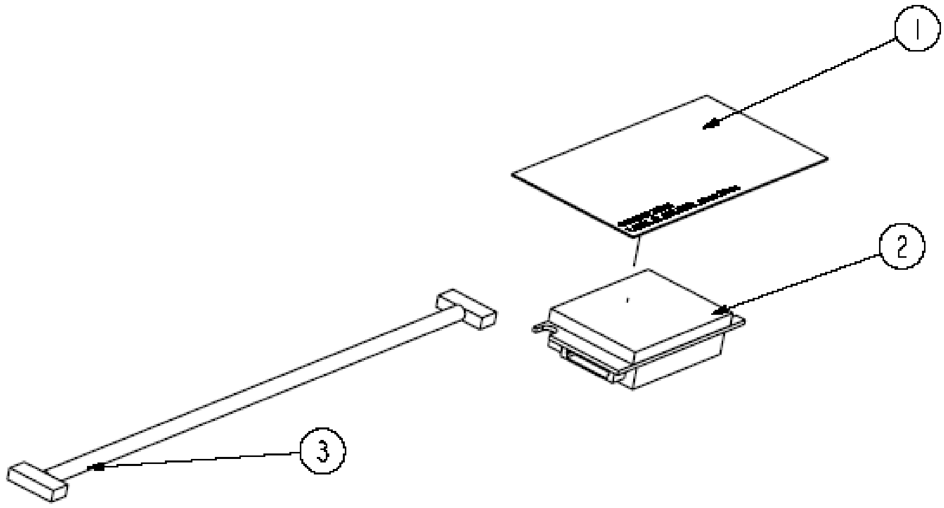
Item	Part Name	Part Number	Description
1		6051B0157901	COVER, 3G, PC+ABS
2	3G CARD AL	6053B0230901	SHIELD, 3G COVER, AL+MESH+FR83
3	COVER SCREW	6052B0012301	SCREW, 1, M2.5, 4mm, M, 4.5mm, 0.8mm, BNI, PATCH, C-RING

Battery Ass’y



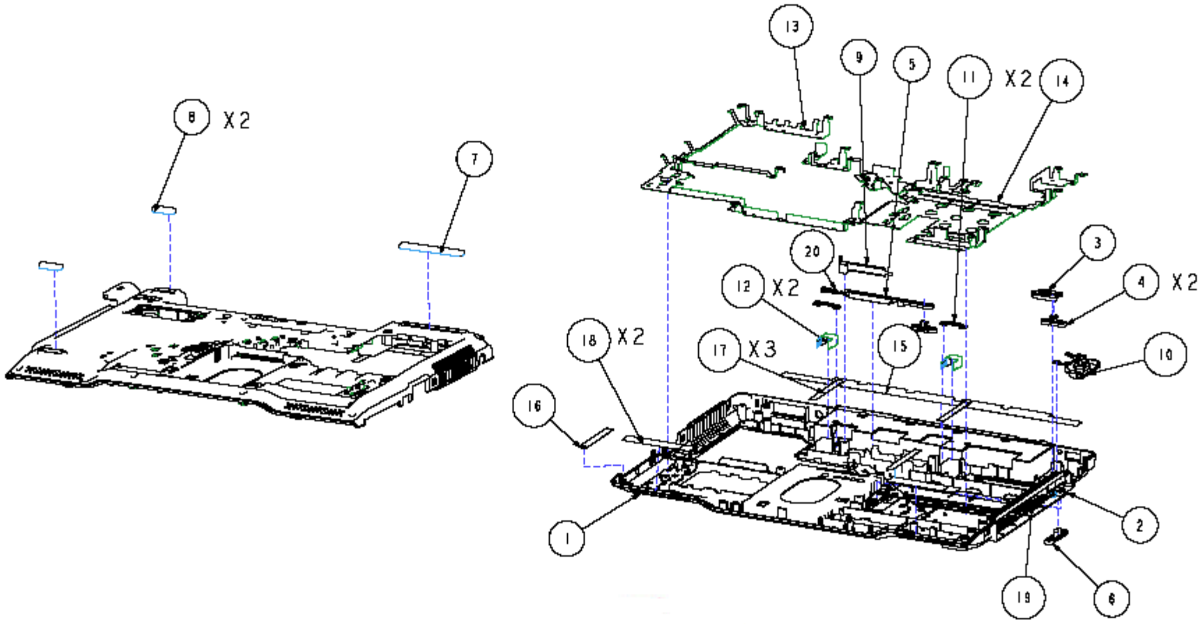
Item	Part Name	Part Number	Description
1	LABEL	6060B0221401	LABEL, BLANK, REEL, 60mm, 20mm
2	BATTY PACK	6027B0023901	BATTERY PACK, LI - ION, 10.8V, 4100mAH, 3S2P
3	BATTY PACK	6027B0026801	BATTERY PACK, LI - ION, 10.8V, 4700mAH, 2P3S
4	BATTY PACK	BT.00903.004	BATTERY PACK, LI - ION, 11.1V, 7200mAH, 3P3S

BlueTooth Ass'y



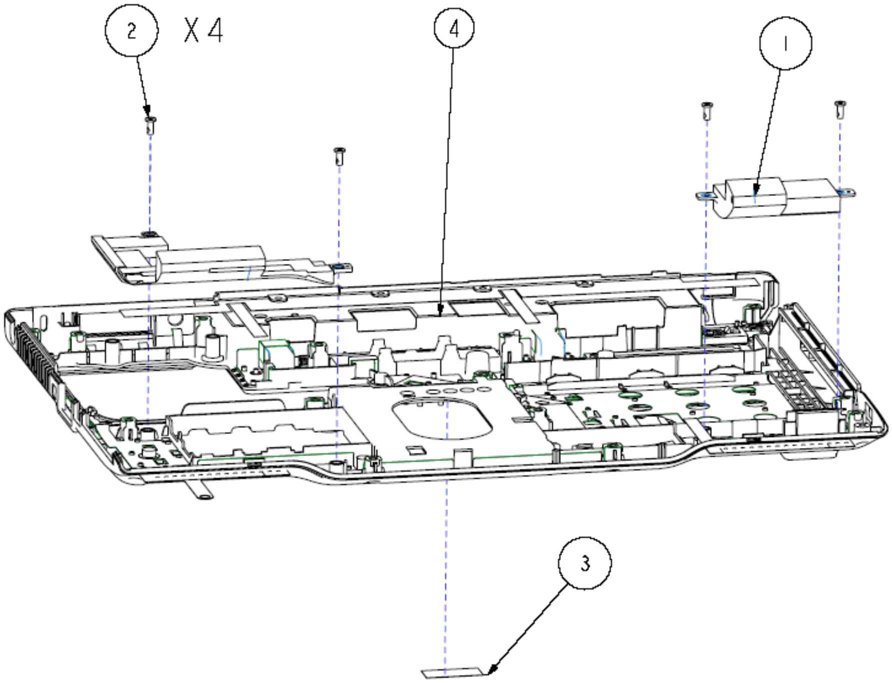
Item	Part Name	Part Number	Description
1	LABEL	6060B0238501	LABEL, BLANK, REEL, 40mm, 20mm
2	MODULE	54.AAMVN.004	MODULE, BLUETOOTH, USB 2.0
3	CABLE	6017B0077901	CABLE, ROUND, 8POS, 80mm, 1, BLUETOOTH, 32 AWG

BTCB Case Set Ass'y



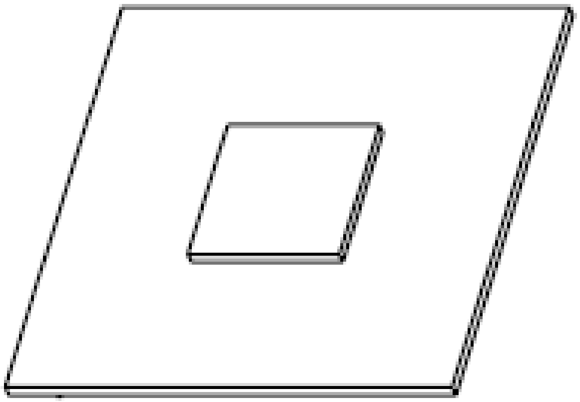
Item	Part Name	Part Number	Description
1	BTM CABINET	6051B0157801	CASE, BOTTOM, PC+ABS
2	BTM ODD LATCH	6051B0157501	LATCH, ODD, LOCK, NYLON
3	BTM BATT-LOCK LATCH	6051B0157601	LATCH, BATTERY, RIGHT, NYLON
4	BTM BATTERY KNOB LOCK	6051B0097401	KNOB, BATTERY, LOCK, PC+ABS
5	BTM BATTERY LATCH	6051B0157301	LATCH, BATTERY, LEFT, NYLON
6	BTM ODD KNOB LOCK	6051B0157401	KNOB, BATTERY, LOCK, PC+ABS
7	BTM BACK BUMPER	6054B0118501	FOOT, BOTTOM, BACK, SILICONE
8	BTM FRONT BUMPER	6054B0195801	FOOT, BOTTOM, FRONT, SILICONE
9	COVERLATCH	6051B0168601	COVER, BATTERY, LATCH, PC+ABS
10	BOTTOM DSUB DOOR	6051B0187001	DOOR, BOTTOM, D-SUB, PC+ABS, RUBBER
11	DOCKING HOOK PLATE	6053B0230501	PLATE, BOTTOM, HOOK, SECC
12	DOCK HOOK INSULATOR	6054B0149501	INSULATOR, BOTTOM, PP
13	BTM SHIELD L	6053B0231201	SHIELD, BOTTOM, LEFT, SPTE
14	BTM SHIELD R	6053B0231301	SHIELD, BOTTOM, RIGHT, SPTE
15	BTM GASKET BATT	6054B0219101	GASKET, NI/CU PNW FR, 280mm, 17.4mm, 0.13mm
16	BTM GASKET BOSS	6054B0200301	GASKET, NI/CU PNW FR, 50mm, 7mm, 0.13mm
17	BTM GASKET	6054B0219001	GASKET, NI/CU PNW FR, 55mm, 6mm, 0.13mm
18	BTM NET SPKR	6053B0245801	NET, SPEAKER, BOTTOM, MESH 14080+FR83
19	ODD SPRING	6053B0230601	SPRING, CONICAL, 4.5mm, 0.35mm, 19.5mm, R, SUS 304
20	BATT SPRING	6053B0230701	SPRING, CONICAL, 4.7mm, 0.35mm, 14mm, R, SUS 304

BTCB Case Set



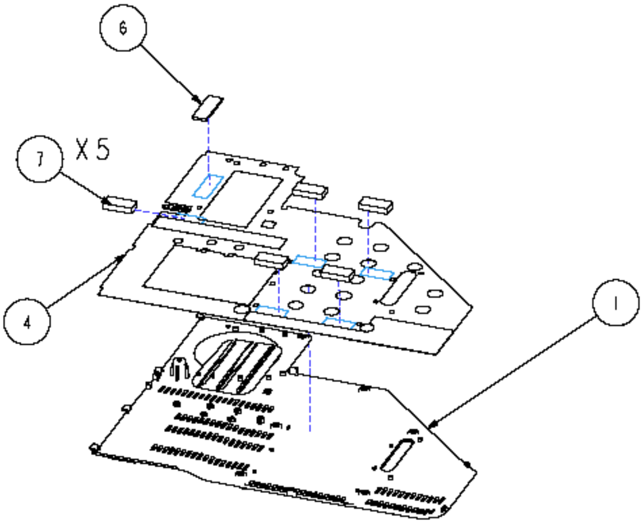
Item	Part Name	Part Number	Description
1	MN SPEAKER SET	23.TLK0N.002	SPEAKER SET, 40 HM, 2W, 23.5mm, 101X77X20-68X
2		6052B0078001	SCREW, 1, M2.5, 6.0mm, M, 4.5mm, 0.8mm, BNI, PATCH
3		6060A0086501	LABEL, BLANK-050-25X11
4	BTCB CASE SET	1510B0303301	ASSEMBLY, CASE, BOTTOM, OFFLINE

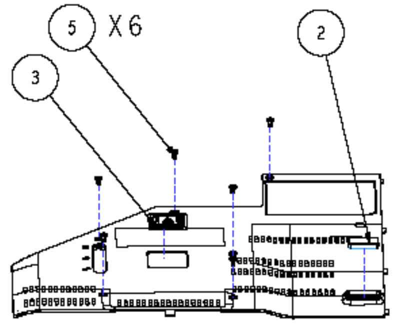
CPU Ass’y



Item	Part Name	Part Number	Description
1	CPU	KC.71001.DTP	CPU, 1.8GHz, 800MHz, 2M, MICRO FCPGA, 478P, TRAY
2	CPU	KC.73001.DTP	CPU, 2.0GHz, 800MHz, 4M, MICRO FCPGA, 478P, TRAY
3	CPU	KC.75001.DTP	CPU, 2.2GHz, 800MHz, 2M, MICRO FCPGA, 478P, TRAY
4	CPU	KC.77001.DTP	CPU, 2.4GHz, 800MHz, 2M, MICRO FCPGA, 478P, TRAY

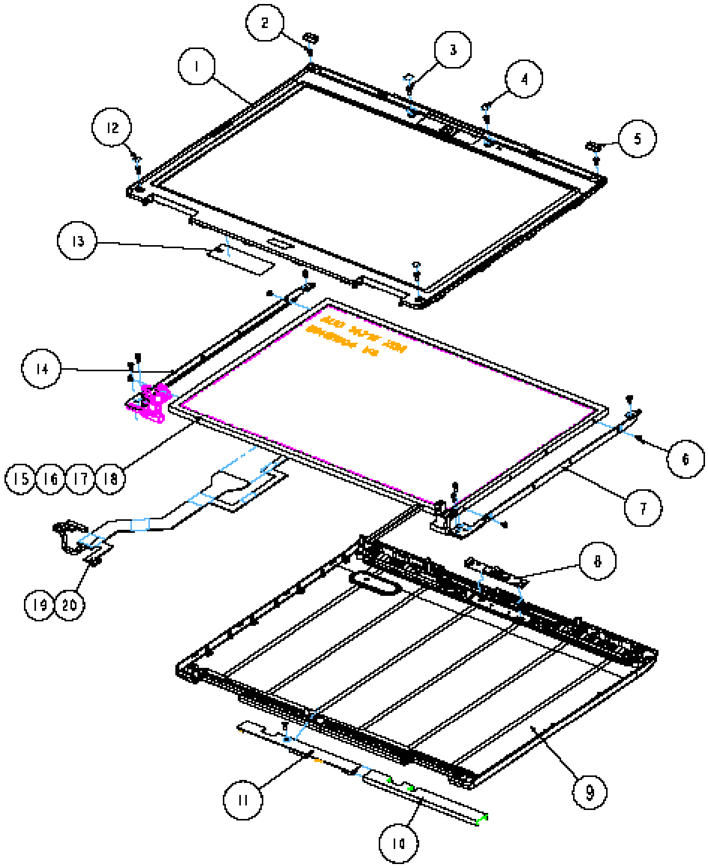
CTO Cover Set Ass'y





Item	Part Name	Part Number	Description
1	BTM CTO COVER	6051B0157701	COVER, CTO, PC+ABS
2	BTM FRONT BUMPER	6054B0195801	FOOT, BOTTOM, FRONT, SILICONE
3	HDD DASP RUBBER	6054B0149701	BUMPER, HDD, COVER, NBR
4	CTO COVER SHIELD	6053B0231001	SHIELD, CTO, COVER, AL+MESH+FR83
5	COVER SCREW	6052B0012301	SCREW, 1, M2.5, 4mm, M, 4.5mm, 0.8mm, BNI, PATCH, C-RING
6	CTO GASKET THERMAL	6054B0220201	GASKET NI/CU PNW FOF 30mm, 10mm, 1.5mm
7	CTO GASKET HDD	6054B0220301	GASKET NI/CU PNW FOF 20mm, 10mm, 4mm

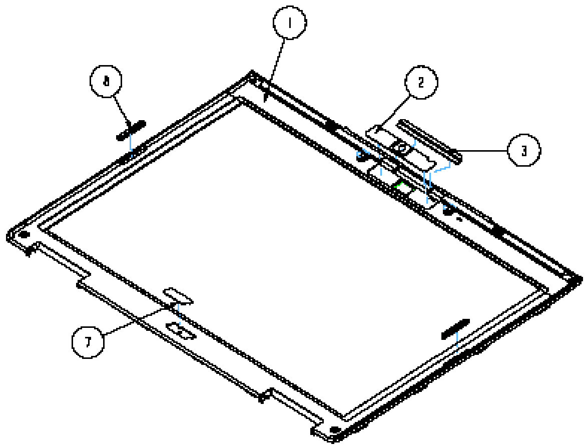
Display Ass'y

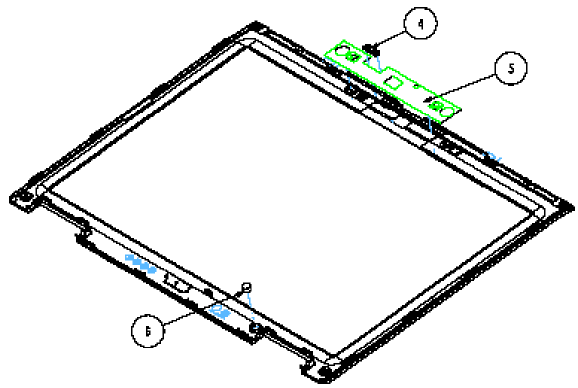


Item	Part Name	Part Number	Description
1	DISPLAY BEZEL ASSEMBLY	1510B0298501	ASSEMBLY, BEZEL, DISPLAY, OFFLINE
2	SCREW 125040M	6052A00346XX	SCREW - 125040M (4.5DX0.8T) - XX - PATCH
3	SCREW 125020M	86.D03VN.002	SCREW - 125050M (4.5D*0.8T) - BK - PATCH
4	INSULATOR DISPLAY	6054B0185301	INSULATOR, DISPLAY, FR700
5	DISP RUBBER CORNER	47.TLK0N.002	BUMPER, DISPLAY, CORNER, SILICONE
6	SCREW 120030M	605200078405	SCREW - 120030M (4.5D*0.8T) - NIH - PATCH
7	DISP-WC HINGE/W BRACKET - R	33.TLK0N.003	HINGE-W BRACKET, DISPLAY, RIGHT, 5.5~6.5 KGF-CM
8	CHICONY - CNF6122	6047B0002501	CAMERA, MODULE, LENS, 0.3M
9	DISPLAY REAR ASSEMBLY	1510B0298401	ASSEMBLY, CASE, REAR, DISPLAY, OFFLINE
10	INSULATOR INVERTER	47.TLK0N.001	INSULATOR, INVERTER, FORMEX, GK-5BK
11	DISPLAY INVERTER	19.TCX0N.001	INVERTER, 5VDC, AC690V, 55KHz, 130X12.5
12	MYLAR DISPLAY	6054B0191201	INSULATOR, DISPLAY, PC FR-700
13		6060B0221401	LABEL, BLANK, REEL, 60mm, 20mm
14	DISP-WC HINGE/W BRACKET - L	33.TLK0N.002	HINGE-W BRACKET, DISPLAY, LEFT, 5.5~6.5 KGF-CM
15	LCM 14.1"	6024B0017801	LCM, 14.1, TFT, WXGA, LVDS, 415g
16	LCM 14.1"	LK.14105.019	LCM, 14.1, TFT, WXGA, LVDS, 400g

Item	Part Name	Part Number	Description
17	LCM 14.1”	LK.14106.011	LCM, 14.1, TFT, WXGA, LVDS, 390g
18	LCM 14.1”	LK.14105.018	LCM, 14.1, TFT, WXGA, LVDS, 400g
19	LCM CABLE	6017B0108901	CABLE, FLAT, 40POS, 231.16mm, 1, LCM
20	LCM CABLE	6017B0108801	CABLE, FLAT, 40POS, 231.16mm, 1, LCM

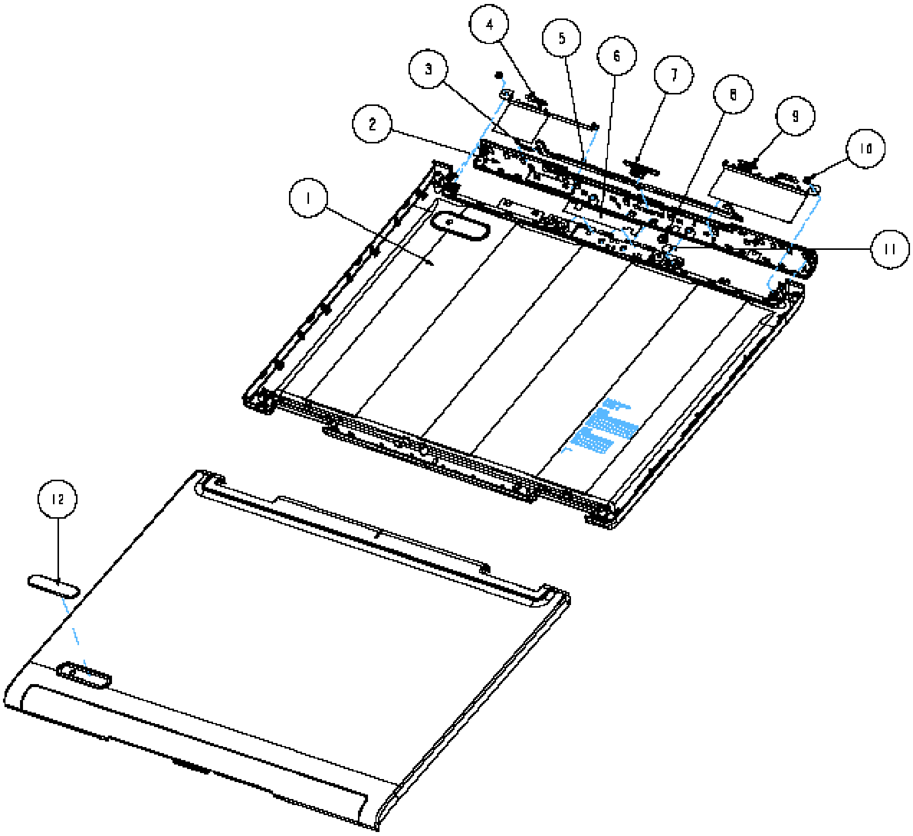
Display Bezel Ass'y





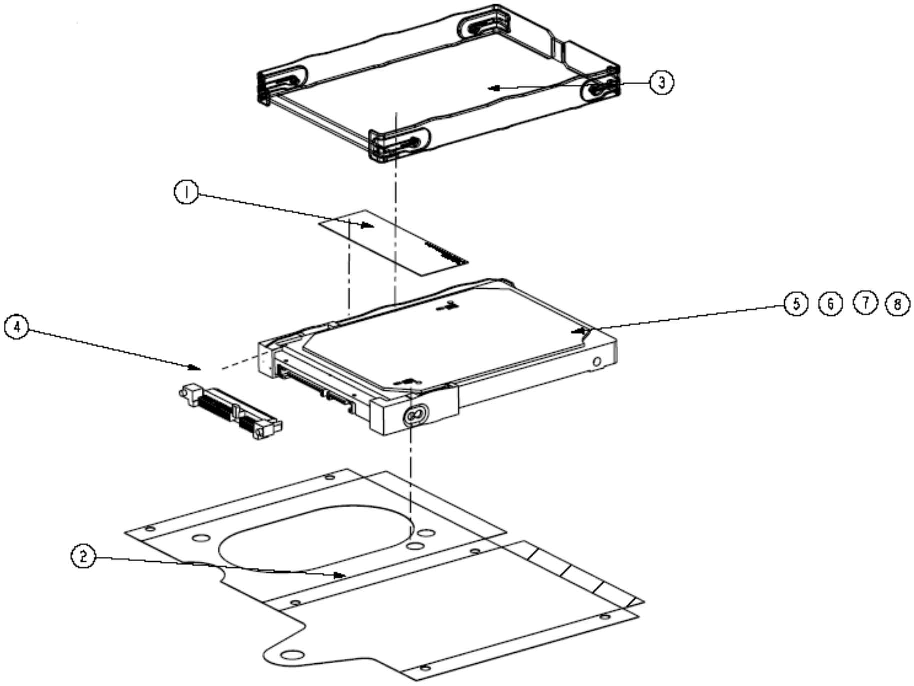
Item	Part Name	Part Number	Description
1	DISP BEZEL	6051B0154501	CASE, DISPLAY, BEZEL, PC+ABS, PRINT
2	DISP CCD BEZEL_NAMEPLATE -30	6053B0215001	NAME PLATE, CCD (0.3), AL
3	DISP RUBBER TOP-MIDDLE	47.TLK0N.004	BUMPER, DISPLAY, TOP-MIDDLE, SILICONE
4	DISP CCD LENS	6051B0154401	LENS, CCD, PC
5	DISP BEZEL SHIELD	6053B0273301	SHIELD, DISPLAY BEZEL, AL FOIL
6	MAGNET 63DX35T	6053B0245001	MAGNET, DISPLAY, ROUND, 6.3mm, 3.5mm, NI
7	DISP WC BEZEL_LOGO	6053B0132001	NAME PLATE, ACER, 24.4mm, 7.1mm, 0.6mm, AL
8	DISP - WC RUBBER	47.TLK0N.003	BUMPER, DISPLAY, SILICONE

Display Rear Ass'y



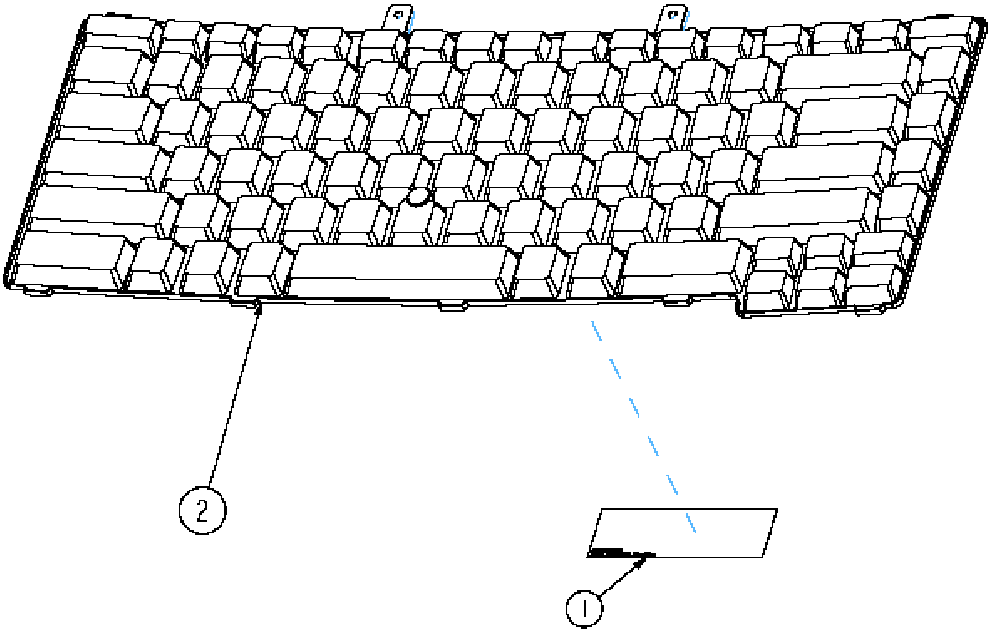
Item	Part Name	Part Number	Description
1	DISPLAY REAR_MG_AL	6053B0214701	CASE, DISPLAY, REAR, MG_AL, COATING
2	DISP ANTENNA COVER	6051B0154101	COVER, DISPLAY, ANTENNA, PC+ABS, COAT, PRINT
3	DISP LATCH SPRING	6053B0214501	SPRING, TENSION, DISPLAY, SUS304
4	ANTENNA WLAN L	6036B0014401	ANTENNA, DUAL, 2.4/5.2G, 550/550mm, 1.37mm
5	DISP LATCH	6051B0154201	LATCH, DISPLAY, NYLON
6	CCD MYLAR	6054B0245101	INSULATOR, CCD, LUMIRROR X30
7	DISP KNOB	6051B0158301	KNOB, DISPLAY, PC+ABS
8	MIC SET R	23.TLK0N.003	MIC. SET, -44dB, 7.2X3, OMNI, 680mm
9	ANTENNA MIMO R	6036B0016901	ANTENNA, DUAL, 2.4/5.2G, 550mm, 1.37mm
10	SCREW 120030M	86.TLK0N.004	SCREW - 120030M (4.5*0.8T) - BNI - PATCH
11	MYLAR MICROPHONE	6054B0211601	INSULATOR, MIC, PC (FR-83)
12	DISP WC REAR-LOGO	6053B0132501	NAMEPLATE, ACER, 44.2mm, 11.2mm, 0.9mm, AL

HDD Ass'y



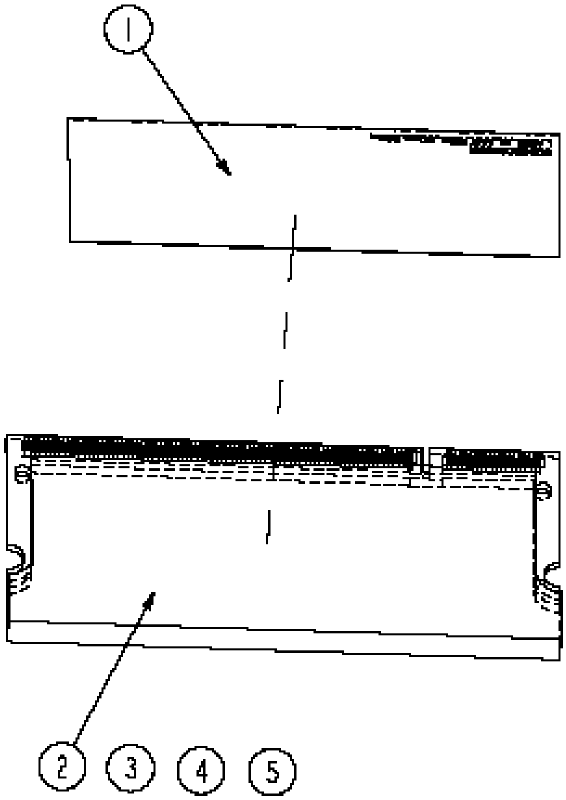
Item	Part Name	Part Number	Description
1	LABEL	6060B0221401	LABEL, BLANK, REEL, 60mm, 20mm
2	INSULATOR	6054B0218901	INSULATOR, HDD, LUMIRROR S10 - AL
3	FRAME	6051B0168501	FRAME, HDD, PC+SILICONE
4	CONNECTOR	20.TLK0N.001	CONNECTOR, HDD, SATA, FL, BLK, 1X22, 90D, DIP, T
5	HDD, 60G	6022B0036501	HDD, SATA, 60GB, 5.4KRPM, 22P, 11ms, 5.5ms, SATA
6	HDD, 80G	KH.08007.021	HDD, SATA, 80GB, 5.4KRPM, 22P, 11ms, 5.5ms, SATA
7	HDD, 120G	KH.12007.010	HDD, SATA, 120GB, 5.4KRPM, 22P, 11ms, 5.5ms, SATA
8	HDD, 160G	KH.16007.011	HDD, SATA, 160GB, 5.4KRPM, 22P, 12ms, 5.5ms, SATA

Keyboard Ass’y



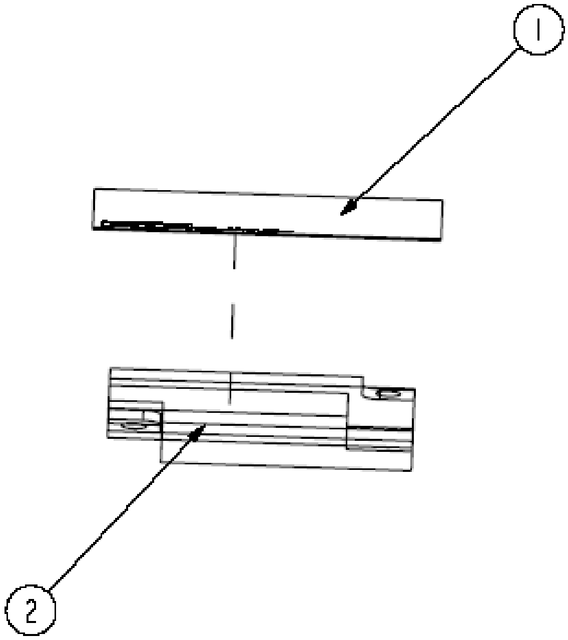
Item	Part Name	Part Number	Description
1	LABEL	6060B0221401	LABEL, BLANK, REEL, 60mm, 20mm
2	KEYB ACER MN	6037B0015201	KEYBOARD/W ST, 88, 24P, BLACK, US-INTL, 310X115.52, 5.5mm

Memory Ass’y



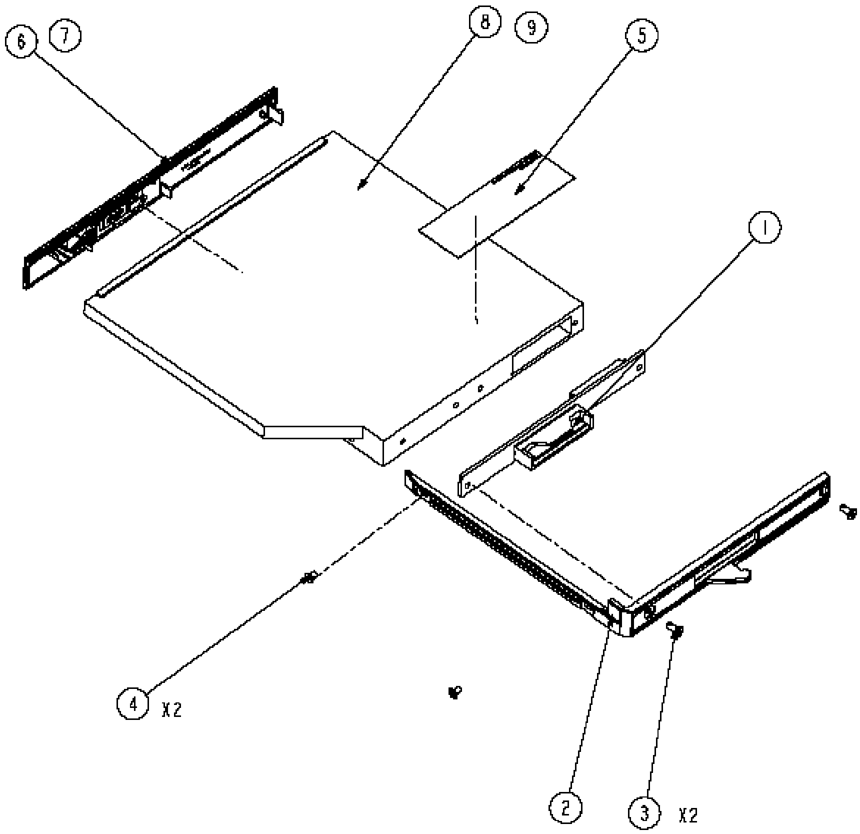
Item	Part Name	Part Number	Description
1	LABEL	6060B0221401	LABEL, BLANK, REEL, 60MM, 20MM
2	MEMORY MODULE	6021B0060901	MEMORY MODULE, 512MB, PC2 - 4200, DDR2, 200P, 6
3	MEMORY MODULE	6021B0064701	MEMORY MODULE, 1GB, PC2 - 4200, DDR2, 200P, 128
4	MEMORY MODULE	KN.5120G.019	MEMORY MODULE, 512MB, PC2 - 5300, DDR2, 200P, 6
5	MEMORY MODULE	KN.1GB0G.006	MEMORY MODULE, 1GB, PC2 - 5300, DDR2, 200P, 128

Modem Ass’y



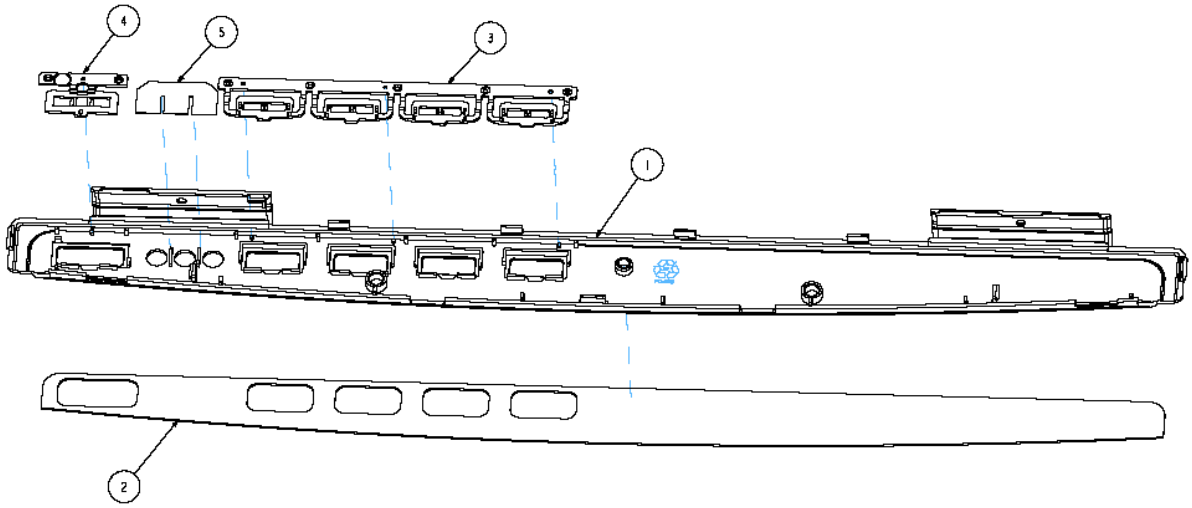
Item	Part Name	Part Number	Description
1	LABEL	6060B0238501	LABEL, BLANK, REEL, 40mm, 20mm
2	MODEM	FX.22500.004	MODEM, MDC, 56K, AZALIA

ODD Ass'y



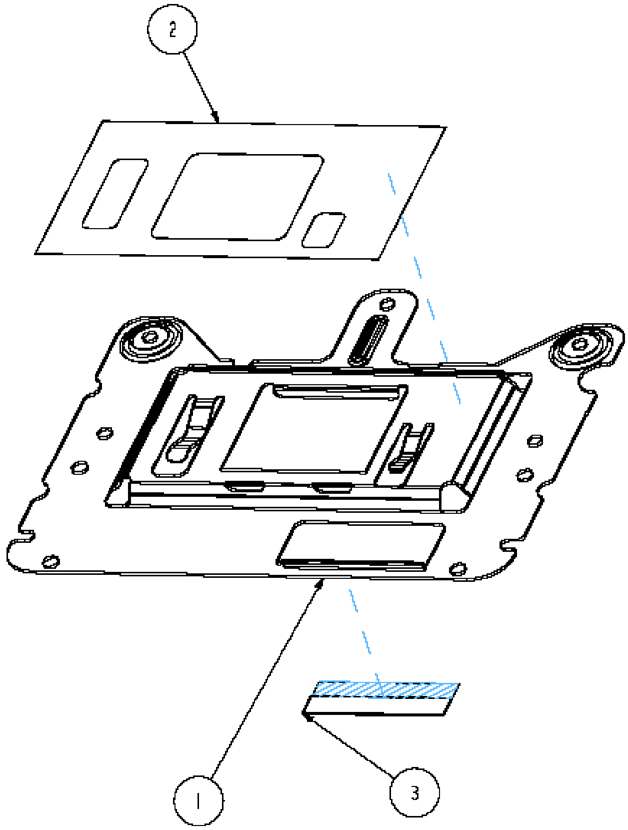
Item	Part Name	Part Number	Description
1		1310A2129601	ASSEMBLY, BOARD, MULTI-ODD
2	ODD HOLDER-MODULE	42.TCXVN.006	HOLDER, ODD, PC+ABS
3	SCREW 120050M	86.TCXVN.004	SCREW - 120050M (4.5DX0.5T) - BK - PATCH
4	SCREW	86.TCXVN.006	SCREW - 1 - M2. 0-3. 0-M-4. 0DX0. 3T - BK - PATCH
5	LABEL	6060B0021401	LABEL, BLANK, REEL, 60MM, 20MM
6		1510B0224401	ASSEMBLY, BEZEL, ODD, OFFLINE
7		1510B0224501	ASSEMBLY, BEZEL, ODD, OFFLINE
8	DVD	KO.0240D.005	DVD, COMBO, 8X, 24X, 24X, 24X, M2, 128X12.7X126.1MM, SLM
9	DVD	KU.0080D.027	DVD, SUPER MULTI, 5X, 8X, 6X, 8X, 8X, 8X, 24X, 16

Switch Cover Set Ass'y



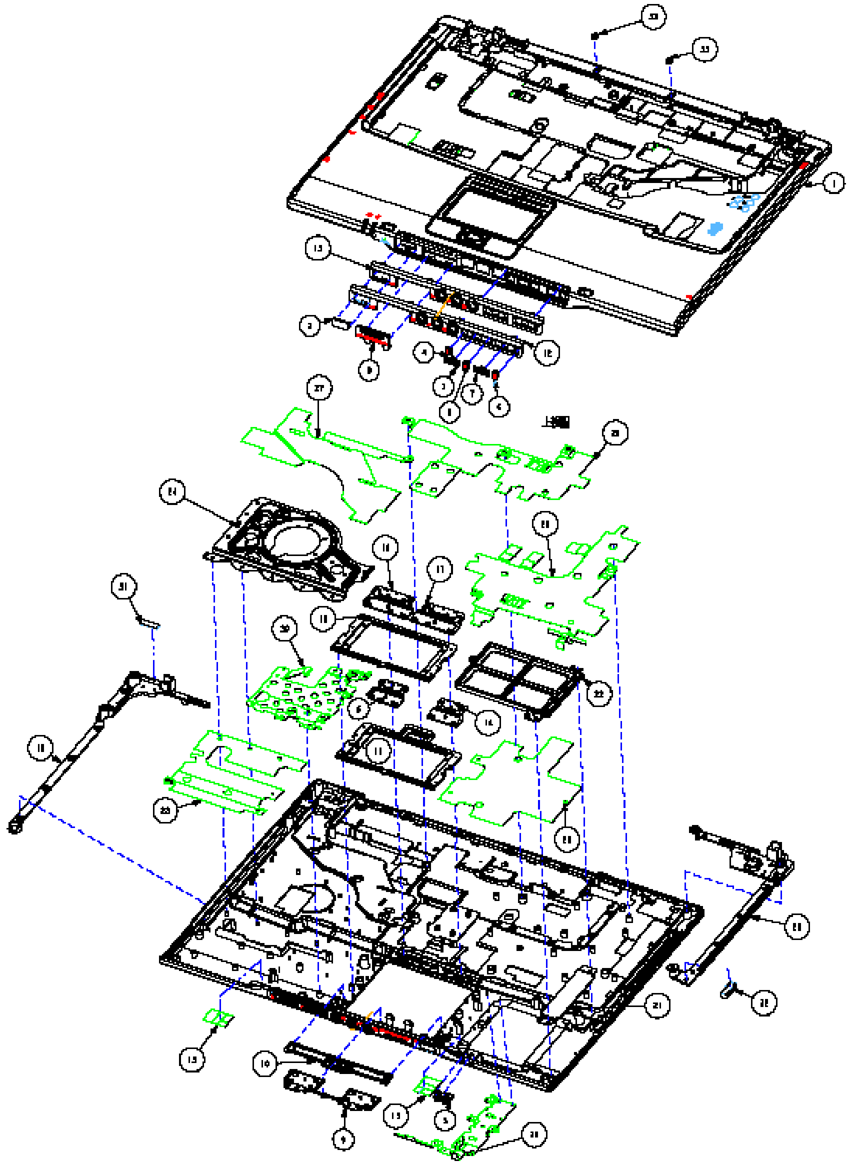
Item	Part Name	Part Number	Description
1	SWICTH COVER	6051B0154901	COVER, TOP CASE, PC+ABS
2	SWITCH COVER PLATE	6054-B01863-0	NAME PLATE, FUNCTION KEY, PC, TOP CASE
3	FUNCTION BUTTON	6051B0155401	BUTTON, TOP CASE, FUNCTION, PC, COAT
4	POWER BUTTON	6051B0155201	BUTTON, TOP CASE, POWER, PC, COAT
5	CAPS LOCK LENS	6054B0185701	INSULATOR, SWITCH COVER, CAPS LOCK, PC

Touchpad Bracket Set Ass’y



Item	Part Name	Part Number	Description
1	THPAD BRACKET	6053B0225701	BRACKET, TOP, TOUCH PAD, SECC
2	THPAD MYLAR	6054B0185601	INSULATOR, TOP, TOUCH PAD, LUMIRROR X30
3	TOP GASKET AUDIO	6054B0220501	GASKET, NI/CU PNW FR, 28mm, 9.5mm, 0.13mm

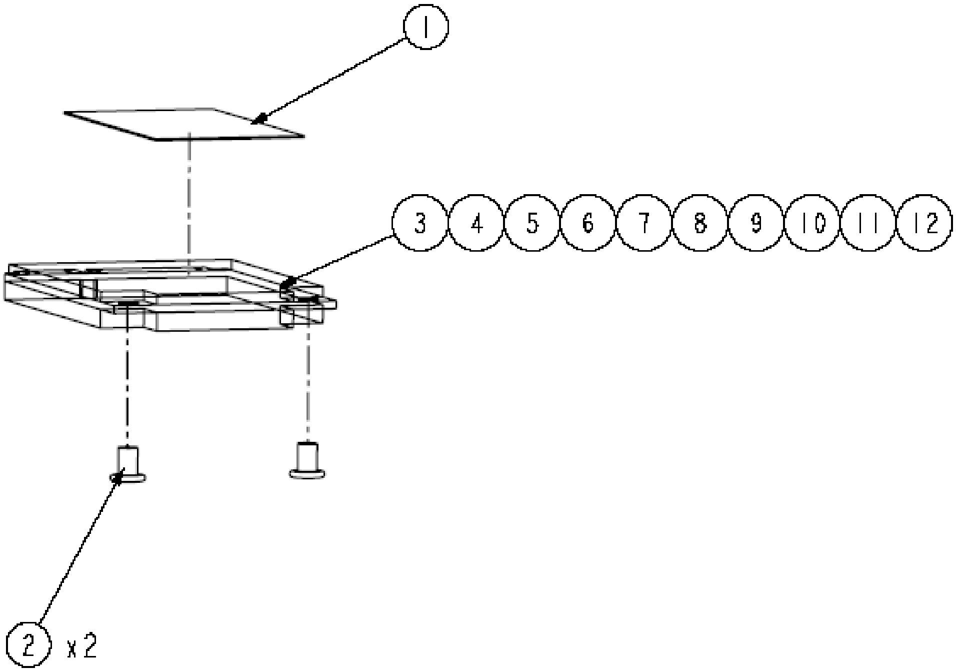
TPCB CaseSet Ass'y



Item	Part Name	Part Number	Description
1	TOP CABINET	605180155001	CASE, TOP, PC +ABS, COAT
2	IR LENS	605180155101	LENS, TOP, IR, PC
3	CHARGER LENS	605180155301	LENS, TOP, CHARGE, PC
4	3G LENS	605180155501	LENS, TOP, 3G, PC
5	R STICK POINT BUTTON	605180155601	BUTTON, TOP, FINGERPRINT R, PC+ABS, COAT+PRINT
6	BT & WL LENS	605180155701	LENS, TOP, BT, WIRELESS, PC
7	BT & WL KNOB	605180155801	KNOB, BT, WIRELESS, PC, BLACK
8	CARD READER DOOR	605180155901	DOOR, TOP, CARDREADER, PC+ABS+RUBBER
9	PICK BUTTON	605180156001	BUTTON, PICK BUTTON, TOUCH PAD, PC+ABS, COAT

Item	Part Name	Part Number	Description
10	4 WAY BUTTON	605180156101	BUTTON, 4 WAY, TOUCH PAD, PC+ABS, COAT
11	THPAD FRAME	605180156201	FRAME, TOUCH PAD, PC+ ABS, COAT
12	3G FRONT BEZEL	605180156301	LENS, TOP, 3G, PC
13	FRONT BEZEL	605180156401	BEZEL, TOP CASE, FRONT, PC+ABS, PRINT/BLACK
14	L STICK POINT BUTTON	605180159201	BUTTON, TOP, FINGER PRINT L, PC+ABS, COAT+PRINT
15	MYLAR	605180181001	INSULATOR, LATCH HOLE, PP
16	TOP NO FGPT R STICK POINT BUTTON	605180181601	BUTTON, TOP, NO FGPT R, PC+ABS, COAT+PRINT
17	TOP NO FGPT L STICK POINT BUTTON	605180181701	BUTTON, TOP, NO FGPT L, PC+ABS, COAT+PRINT
18	TOP THPAD FRAME STANDARD	605180181801	FRAME, TOUCH PAD, NO FGPT, PC+ABS, COAT
19	R BRACKET	605380215401	BRACKET, TOP,RIGHT, AL
20	L BRACKET	605380215501	BRACKET, TOP, LEFT, AL
21	SMART CARD BRACKET	605380225601	BRACKET, SMART CARD, SPCC
22	TOP SMART CARD DUMMY	605380225601	DUMMY, SMART CARD, PC+ABS
23	TOP SHIELD FOIL PALMREST R	605380244101	SHIELD, TOP PALMREST, RIGHT, AL FOIL
24	TOP ODD BRACKET	605380244201	BRACKET, TOP, ODD, AL5052
25	TOP SHIELD FOIL L	605380244301	SHIELD, TOP, LEFT, AL FOIL
26	TOP SHIELD FOIL M	605380244401	SHIELD, TOP, MIDDLE, AL FOIL
27	TOP SHIELD FOIL R	605380244501	SHIELD, TOP, RIGHT, AL FOIL
28	TOP SHIELD FOIL PALMREST L	605380244601	SHIELD, TOP, PALMREST, LEFT, AL FOIL
29	TOP SHIELD METAL PALMREST L	605380245101	SHIELD, TOP, METAL, LEFT, SPTE
30	TOP SHIELD METAL PALMREST R	605380245201	SHIELD, TOP, METAL, RIGHT, SPTE
31	GASKET_15X5X0.5	605380107001	GASKET, NI/CU PNW FOF, 15.0mm, 5.0mm, 0.5mm
32	W: 5mm x H: 4mm x L: 15mm	605380107301	GASKET, NI/CU PNW FOF, 15.0mm, 5.0mm, 4.0mm
33	MN_TOP_RUBBER_HINGE	605380193401	BUMPER, TOP, HINGE, SILICONE

Wireless Ass'y



Item	Part Name	Part Number	Description
1	LABEL	6060B0238501	LABEL, BLANK, REEL, 40MM, 20MM
2	SCREW	86.TLK0N.003	SCREW, 1, M2.5, 3.5MM, M, 4.5MM, 0.8MM, BK, PATCH
3	MODULE	KI.KDN01.001	MODULE, WIRELESS LAN, MINI PCI 802.11A/G/N
4	MODULE	KI.KDN01.002	MODULE, WIRELESS LAN, MINI PCI 802.11A/G/N
5	MODULE	KI.KDN01.003	MODULE, WIRELESS LAN, MINI PCI 802.11A/G/N
6	MODULE	KI.KDN01.006	MODULE, WIRELESS LAN, MINI PCI 802.11A/G/N
7	MODULE	KI.KDN01.007	MODULE, WIRELESS LAN, MINI PCI 802.11A/G
8	MODULE	KI.KDN01.008	MODULE, WIRELESS LAN, MINI PCI-802.11A/G
9	MODULE	KI.GLN01.001	MODULE, WIRELESS LAN, PCI EXP 802.11A/G
10	MODULE	KI.GLN01.003	MODULE, WIRELESS LAN, PCI EXP 802.11B/G
11	MODULE	KI.GLN01.005	MODULE, WIRELESS LAN, PCI EXP 802.11B/G
12	MODULE	KI.GLN01.002	MODULE, WIRELESS LAN, PCI EXP 802.11A/G

Parts List

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
ADAPTER	ADAPTER 65W 3PINS LITEON PA-1650-02IR YELLOW 1.7X5.5X11 LF	ADAPTOR,3PIN,65W,19VDC,3.42A,240VAC	AP.06503.014
ADAPTER	ADAPTER 65W 3PINS LISHIN SLS0335A19A54LF YELLOW, 1.7X5.5X11	ADAPTOR,3PIN,65W,19VDC,3.42A,240VAC	AP.06506.003
ADAPTER	ADAPTER 65W 3PINS DELTA SADP-65KB DFA YELLOW 1.7X5.5X11 LF	ADAPTOR,3PIN,65W,19VDC,3.42A,100V~240V	AP.06501.013
ADAPTER	ADAPTER 65W 3PINS LITEON PA-1650-02AC 1.7X5.5X11 LF	ADAPTOR,3PIN,65W,19VDC,3.42A,100-240VAC	AP.06503.016
BATTERY	BATTERY LI-ION 6CELL SANYO 3S2P 3800MAH	BATTERY PACK,LI-ION,11.1V,3800mAH,2P3S	BT.00603.026
BATTERY	BATTERY LI-ION 6CELL SANYO TM2007-A 3S2P 4000MAH	BATTERY PACK,LI-ION,11.1V,4000mAH,3S2P	BT.00603.039
BATTERY	BATTERY LI-ION 6CELL SONY TM2007-A 3S2P 4000MAH	BATTERY PACK,LI-ION,11.1V,4000mAH,2P3S	BT.00604.017
BATTERY	BATTERY LI-MN 6CELL SIMPLO 3S2P 4000MAH	BATTERY PACK,LI-ION,10.8V,4000mAH,3S2P	BT.00607.003
BATTERY	BATTERY LI-ION 6CELL SANYO TM2007-A 3S2P 4800MAH	BATTERY PACK,LI-ION,11.1V,4800mAH,3S2P	BT.00603.040
BATTERY	BATTERY LI-ION 6CELL SONY 3S2P 4800MAH	BATTERY PACK,LI-ION,11.1V,4000mAH,3S2P	BT.00604.005
BATTERY	BATTERY LI-ION 6CELL SIMPLO TM2007-A 3S2P 4800MAH	BATTERY PACK,LI-ION,10.8V,4800mAH,3S2P	BT.00607.009
BATTERY	BATTERY LI-ION 9CELL 2.4 SANYO 7200MAH	BATTERY PACK,LI-ION,11.1V,7200mAH,3P3S	BT.00903.004
BATTERY	BATTERY LI-ION 9CELL SONY TM2007-A 3S3P 7200MAH	BATTERY PACK,LI-ION,11.1V,4800mAH,3S2P	BT.00904.003
BATTERY	BATTERY LI-ION 9CELL SIMPLO TM2007-B 3S3P 7200MAH	BATTERY PACK,LI-ION,10.8V,7200mAH,3P3S	BT.00907.003
BOARD	BLUETOOTH BOARD FOXCONN T60H928.01	MODULE,BLUE TOOTH,USB2.0	54.AAMVN.004
BOARD	MODEM BOARD 1.5 FOXCONN T60M951.04 (AGERE 3.3V)	MODEM,MDC,56K,AZALIA	FX.22500.004
BOARD	MODEM BOARD 1.5 FOXCONN T60M951.10 (AGERE 3.3V) FOR AUSTRALIA ONLY	MODEM,MDC,56K,AZALIA	FX.22500.014
BOARD	WIRELESS LAN BOARD 802.11ABG INTEL 3945ABG MOW1	MODULE,WIRELESS LAN,PCI EXP 802.11A/G	KI.GLN01.001
BOARD	WIRELESS LAN BOARD 802.11ABG INTEL 3945ABG MOW2	MODULE,WIRELESS LAN,PCI EXP 802.11A/G	KI.GLN01.002
BOARD	WIRELESS LAN BOARD 802.11ABG INTEL 3945ABG ROW	MODULE,WIRELESS LAN,PCI EXP 802.11B/G	KI.GLN01.003
BOARD	WIRELESS LAN BOARD 802.11ABG INTEL 3945ABG JP	MODULE,WIRELESS LAN,PCI EXP 802.11A/G	KI.GLN01.004
BOARD	WIRELESS LAN BOARD 802.11BG INTEL 3945BG	MODULE,WIRELESS LAN,PCI EXP 802.11B/G	KI.GLN01.005
BOARD	WIRELESS LAN BOARD 802.11AGN INTEL 4965AGN MOW1 MINI PCI	MODULE,WIRELESS LAN,MINI PCI 802.11A/G/N	KI.KDN01.001

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
BOARD	WIRELESS LAN BOARD 802.11AGN INTEL 4965AGN MOW2 MINI PCI	MODULE,WIRELESS LAN,MINI PCI 802.11A/G/N	KI.KDN01.002
BOARD	WIRELESS LAN BOARD 802.11AGN INTEL 4965AGN ROW MINI PCI	MODULE,WIRELESS LAN,MINI PCI 802.11A/G/N	KI.KDN01.003
BOARD	WIRELESS LAN BOARD 802.11AG INTEL 4965AG MOW1 MINI PCI	MODULE,WIRELESS LAN,MINI PCI 802.11A/G/N	KI.KDN01.006
BOARD	WIRELESS LAN BOARD 802.11ABG INTEL 4965AG MOW2 MINI PCI	MODULE,WIRELESS LAN,MINI PCI 802.11A/G	KI.KDN01.007
BOARD	WIRELESS LAN BOARD 802.11AG INTEL 4965AG ROW MINI PCI	MODULE,WIRELESS LAN,MINI PCI-802.11A/G	KI.KDN01.008
BOARD	TOUCHPAD SYNAPTICS TM61PUF1R544	TOUCH PAD,NO BUTTON,12P,67X40,BLK	56.TLK0N.001
BOARD	HOTKEY BOARD	FRU,I/O BOARD ASSEMBLY,HOTKEY BOARD	55.TLK0N.001
BOARD	TOUCHPAD BUTTON BOARD	FRU,I/O BOARD ASSEMBLY,TOUCH PAD BUTTON BOARD	55.TLK0N.004
BOARD	STICK POINT BOARD W/O FINGER PRINTER	FRU,I/O BOARD ASSEMBLY,STICK POINT/B W/O FINGER PRINT CHIP	55.TLL0N.001
BOARD	I/O BOARD	FRU,I/O BOARD ASSEMBLY,W/O 3G CN	55.TLK0N.002
BOARD	ROBSON BOARD	FRU,I/O BOARD ASSEMBLY,ROBSON BOARD	55.TLK0N.003
CABLE	POWER CORD 3PIN USA	CORD-ROUND-3POS-1828mm-E-POWER-USA	27.AAMVN.001
CABLE	POWER CORD 3PIN EUR	CORD-ROUND-3POS-1850mm-E-POWER-EUR	27.AAMVN.002
CABLE	POWER CORD 3PIN SOUTH AFRICA	CORD,ROUND,3POS,1800mm,E,SOUTH AFRICA	27.AAMVN.008
CABLE	POWER CORD 3PIN DENMARK	CORD,ROUND,3POS,1800mm,E,DANISH	27.AAMVN.010
CABLE	POWER CORD ISRAEL	CORD,ROUND,3POS,1800mm,E,ISRAEL	27.AAMVN.011
CABLE	POWER CORD 3PIN ITALIAN	CORD,ROUND,3POS,1800mm,E,ITL	27.AAMVN.009
CABLE	POWER CORD 3PIN UK	CORD-ROUND-3POS-1828mm-E-POWER-UK	27.AAMVN.004
CABLE	POWER CORD 3PIN SWISS	CORD,ROUND,3POS,1830mm,E,POWER, SWITZERLAND	27.AAMVN.006
CABLE	POWER CORD AUSTRALIA W/LABEL	CORD-ROUND-3POS-1850mm-E-POWER-AUL	27.AAMVN.003
CABLE	POWER CORD 3PIN CHINA	CORD,ROUND,3POS,1800mm,E,POWER,PRC	27.AAMVN.005
CABLE	POWER CORD SOUTH AFRICA (AIL)	CORD,ROUND,3POS,1830mm,E,POWER,S. AFRICAN	27.AAMVN.007
CABLE	MODEM CABLE W/ 3 CONNECTORS	CABLE,ROUND,2POS,166mm,I,RJ11	50.TLK0N.001
CABLE	CABLE FROM TOUCHPAD BUTTON BOARD TO TOUCHPAD	FFC,12P,1L,1.575X0.256X0.004,PET,S	50.TLK0N.003
CABLE	CABLE FROM TOUCHPAD BUTTON BOARD TO STICK POINT BOARD	FFC,8P,1L,2.756X0.177X0.004,PET,S	50.TLK0N.004
CABLE	CABLE FROM STICK POINT BOARD TO MAINBOARD	FFC,12P,1L,3.465X0.256X0.004,PET,S	50.TLK0N.005

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
CABLE	HOTKEY BOARD CABLE	FFC,14P,1L,5.787X0.295X0.004,PET, S	50.TLK0N.002
CABLE	BLUETOOTH CABLE	CABLE,ROUND,8POS,80mm,I,BLUE TOOTH	50.TLK0N.008
CASE/COVER/ BRACKET ASSEMBLY	TOUCHPAD BRACKET	SET,BRACKET,TOUCHPAD	33.TLK0N.001
CASE/COVER/ BRACKET ASSEMBLY	LOWER CASE	FRU,BOTTOM CASE ASSEMBLY	60.TLK0N.001
CASE/COVER/ BRACKET ASSEMBLY	UPPER CASE W/O FINGER PRINTER HOLE	FRU,TOP CASE ASSEMBLY	60.TLL0N.001
CASE/COVER/ BRACKET ASSEMBLY	MIDDLE COVER	SET,COVER,SWITCH	42.TLK0N.001
CASE/COVER/ BRACKET ASSEMBLY	UNILOAD COVER	SET,COVER,CTO	42.TLK0N.002
CASE/COVER/ BRACKET ASSEMBLY	3G COVER	SET,COVER,3G	42.TLK0N.003
CASE/COVER/ BRACKET ASSEMBLY	PCMCIA DUMMY CARD	DUMMY,CARDBUS,PC+ABS	42.TLK0N.004
CASE/COVER/ BRACKET ASSEMBLY	MINI DUMMY CARD	DUMMY,EXPRESS CARD,PC+ABS	42.TLK0N.005
CASE/COVER/ BRACKET ASSEMBLY	SMART CARD READER WITH CABLE	E.SET,FFC+CONN,10P,57.55MM	60.TLK0N.003
CASE/COVER/ BRACKET ASSEMBLY	CONNECTOR 2ND HDD	E.SET,FPC+CONN,50P/ 20P,38.06MM	22.D03VN.00 1
CASE/COVER/ BRACKET ASSEMBLY	BRACKET 2ND HDD	BRACKET,HDD,BOTTOM,SECC	33.D03VN.00 2
CASE/COVER/ BRACKET ASSEMBLY	UPPER CASE 2ND HDD	CASE,HDD,BOTTOM,PC+ABS	60.D03VN.00 3
CASE/COVER/ BRACKET ASSEMBLY	LOWER CASE 2ND HDD	CASE,HDD,TOP,PC+ABS	60.D03VN.00 4
SCREW	SCREW	SCREW,I,M2.5,5mm,M,0.45mm,0.8m m,BNI,PATC	86.D03VN.00 4
SCREW	SCREW	SCREW-WI30030M(5.0Dx1.5T)-NI-HARDEN	86.AAMVN.00 1
FAN	FAN	FAN.SET,VERTICAL,5V,0.33A,3600R PM,94.9X80.2X18.9, 30mm,Y	23.TLK0N.001

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
HEATSINK	CPU HEATSINK	THERMAL MODULE,CPU	60.TLK0N.004
CASE/COVER/ BRACKET ASSEMBLY	CPU HEATSINK FINGER	FINGER,CPU,SUS 301	33.TLK0N.004
CPU/ PROCESSOR	CPU INTEL CORE2DUAL T7100 PGA 1.8G 2M 800	CPU,1.8G,800MHZ,2M,MICRO FCPGA,478P,TRAY	KC.71001.DT P
CPU/ PROCESSOR	CPU INTEL CORE2DUAL T7300 PGA 2.0G 4M FSB800	CPU,2.0G,800MHZ,4M,MICRO FCBGA,478P,TAP	KC.73001.DT P
CPU/ PROCESSOR	CPU INTEL CORE2DUAL T7500 PGA 2.2G 4M FSB800	CPU,2.2GHZ,800MHZ,4M,MICRO FCBGA,478P,TAP	KC.75001.DT P
CPU/ PROCESSOR	CPU INTEL CORE2DUAL T7700 PGA 2.4G 4M FSB800	CPU,2.4G,800MHZ,4M,MICRO FCPGA,478P,TRAY	KC.77001.DT P
COMBO MODULE	CDRW/DVD COMBO MODULE 24X		6M.TLK0N.00 1
BOARD	ODD BOARD	FRU,I/O BOARD ASSEMBLY,ODD MULTI INTERFACE	55.TLK0N.006
CASE/COVER/ BRACKET ASSEMBLY	OPTICAL RAIL HOLDER	HOLDER,ODD,PC+ABS	42.TCXVN.00 6
CASE/COVER/ BRACKET ASSEMBLY	COMBO BEZEL GBASE	SET,BEZEL,ODD	42.TCXVN.00 5
COMBO MODULE	CDRW/DVD COMBO DRIVE 24X HLDS GCC-T10N LF W/O BEZEL	DVD,COMBO,8X,24X,24X,24X,M2,12 8X12.7X126.1mm,SLIM	KO.0240D.00 5
COMBO MODULE	CDRW/DVD COMBO DRIVE 24X SONY CRX880A LF W/O BEZEL	DVD,COMBO,8X,24X,24X,24X,GRE EN,M2,128X12.7X126.1mm	KO.0240E.00 5
DVD RW DRIVE	DVD-RW SUPER MULTI MODULE 8X		6M.TLK0N.00 2
BOARD	ODD BOARD	FRU,I/O BOARD ASSEMBLY,ODD MULTI INTERFACE	55.TLK0N.006
CASE/COVER/ BRACKET ASSEMBLY	OPTICAL RAIL HOLDER	HOLDER,ODD,PC+ABS	42.TCXVN.00 6
CASE/COVER/ BRACKET ASSEMBLY	SUPER MULTI BEZEL GBASE	SET,BEZEL,ODD	42.TCXVN.00 7
DVD RW DRIVE	DVD-RW DRIVE 8X SUPER MULTI GBASE HLDS GSA-T20N LF W/O BEZEL	DVD,SUPER MULTI,5X,8X,6X,8X,8X,8X,24X,16X,2 4X,M2, 128X12.7X126.1mm,SLIM	KU.0080D.02 7
DVD RW DRIVE	DVD-RW DRIVE 8X SUPER MULTI GBASE PHILIPS DS-8A1P LF W/O BEZEL	DVD,SUPER MULTI,5X,8X,6X,8X,8X,8X,24X,24X,2 4X,M2, 128X12.7X126.1mm,SLIM	KU.00809.010
DVD RW DRIVE	DVD-RW DRIVE 8X SUPER MULTI GBASE TOSHIBA TS-L632D LF W/O BEZEL F/W:AC01	DVD,SUPER MULTI,5X,8X,6X,8X,8X,8X,24X,24X,2 4X, GREEN,128X12.7X126.1mm,SLIM	KU.00801.018
HDD/HARD DISK DRIVER	HDD 80GB 5400RPM SATA HGST HTS541680J9SA00 SURUGA-B LF F/W: C70P	HDD,SATA,80GB,5.4KRPM,22P,11ms ,5.5ms,SATA1.0 ,2.5X 0.37,M3	KH.08007.021

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
HDD/HARD DISK DRIVER	HDD 80GB 5400RPM SATA SEAGATE ST980811AS(9S1132-190) VENUS LF F/W:3.ALD	HDD,SATA,80GB,5.4KRPM,22P,12.5ms,5.6ms,SATA 2.0, 2.5X0.37	KH.08001.030
HDD/HARD DISK DRIVER	HDD 80GB 5400RPM SATA TOSHIBA MK8037GSX GEMINI BS LF F/W:DL230J	HDD,SATA,80GB,5.4KRPM,22P,12ms,5.6ms,SATA 2.0,2.5X0.37,M3	KH.08004.010
HDD/HARD DISK DRIVER	HDD 80GB 5400RPM SATA WD WD800BEVS-22RST0 ML80 LF F/W:04.01G04	HDD,SATA,80GB,5.4KRPM,22P,12ms,5.5ms,SATA1.0,2.5X0.37,M3	KH.08008.033
HDD/HARD DISK DRIVER	HDD 120GB 5400RPM SATA HGST HTS541612J9SA00 SURUGA-B LF F/W:C70P	HDD,SATA,120GB,5.4KRPM,22P,11ms,5.5ms,SATA1.0, 2.5X0.37,M3	KH.12007.010
HDD/HARD DISK DRIVER	HDD 120GB SATA 5400RPM SEAGATE ST9120822AS VENUS LF F/W:3.ALD	HDD,SATA,120GB,5.4KRPM,22P,12.5ms,5.6ms,SATA 2.0, 2.5X0.37	KH.12001.031
HDD/HARD DISK DRIVER	HDD 120GB 5400RPM SATA TOSHIBA MK1237GSX GEMINI BS LF F/W:DL130J	HDD,SATA,120GB,5.4KRPM,22P,12ms,5.6ms,SATA 2.0, 2.5X0.37,M3	KH.12004.006
HDD/HARD DISK DRIVER	HDD 120GB 5400RPM SATA WD WD1200BEVS-22RST0 ML80 LF	HDD,SATA,120GB,5.4KRPM,22P,12ms,5.5ms,SATA1.0, 2.5X0.37,M3	KH.12008.018
HDD/HARD DISK DRIVER	HDD 160GB 5400RPM SATA HITACHI HTS541616J9SA00 SURUGA-B LF F/W:C70P	HDD,SATA,160GB,5.4KRPM,22P,12ms,5.5ms,SATA1.0, 2.5X0.37,M3	KH.16007.011
HDD/HARD DISK DRIVER	HDD 160GB 5400RPM SATA SEAGATE ST9160821AS VENUS LF FW: 3.ALD	HDD,SATA,160GB,5.4KRPM,22P,12.5ms,5.5ms,SATA II,2.5X0.37,M3	KH.16001.026
HDD/HARD DISK DRIVER	HDD 160GB 5400RPM SATA TOSHIBA MK1637GSX GEMINI BS LF F/W: DL030J	HDD,SATA,160GB,5.4KRPM,22P,12ms,5.6ms,SATA 2.0, 2.5X0.37,M3	KH.16004.001
HDD/HARD DISK DRIVER	HDD 160GB 5400RPM SATA WD WD1600BEVS-22RST0 ML80 LF	HDD,SATA,160GB,5.4KRPM,22P,12ms,5.5ms,SATA1.0, 2.5X0.37,M3	KH.16008.019
CASE/COVER/BRACKET ASSEMBLY	HDD CONNECTOR	CONNECTOR,HDD,SATA,FL,BLK,1X22,90D,SMD,TR	20.TLK0N.001
CASE/COVER/BRACKET ASSEMBLY	HDD HOLDER	BRACKET,HDD,SECC	42.TLK0N.006
CASE/COVER/BRACKET ASSEMBLY	HDD INSULATOR	INSULATOR,HDD,LUMIRROR S10+AL	42.AAMVN.005
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK US INTERNATIONAL	KEYBOARD/W ST,88,24P,BLACK,INTL,310X115.52,5.5mm	KB.INT00.070
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK US INTERNATIONAL HEBREW	KEYBOARD/W ST,88,24P,BLACK,ISR,310X115.52,5.5mm	KB.INT00.071
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK UK	KEYBOARD/W ST,89,24P,BLACK,UK,310X115.52,5.5mm	KB.INT00.072
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK TURKISH	KEYBOARD/W ST,89,24P,BLACK,TUR,310X115.52,5.5mm	KB.INT00.073
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK THAILAND	KEYBOARD/W ST,88,24P,BLACK,THAI,310X115.52,5.5mm	KB.INT00.074
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK SWISS/G	KEYBOARD/W ST,89,24P,BLACK,SWISS,310X115.52, 5.5mm	KB.INT00.075

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK SWEDISH	KEYBOARD/W ST,89,24P,BLACK,SWE/ FIN,310X115.52, 5.5mm	KB.INT00.076
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK SPANISH	KEYBOARD/W ST,89,24P,BLACK,ESP,310X115.52,5. 5mm	KB.INT00.077
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK SLOVENIAN	KEYBOARD/W ST,89,24P,BLACK,SLOV,310X115.52, 5.5mm	KB.INT00.078
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK SLOVAK	KEYBOARD/W ST,89,24P,BLACK,SLVK,310X115.52, 5.5mm	KB.INT00.079
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK SLO/CRO	KEYBOARD/W ST,89,24P,BLACK,CRO,310X115.52, 5.5mm	KB.INT00.080
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK RUSSIAN	KEYBOARD/W ST,88,24P,BLACK,RUS,310X115.52,5 .5mm	KB.INT00.081
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK PORTUGUESE	KEYBOARD/W ST,89,24P,BLACK,POR,310X115.52,5 .5mm	KB.INT00.082
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK POLISH	KEYBOARD/W ST,89,24P,BLACK,POL,310X115.52,5 .5mm	KB.INT00.083
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK NORWEGIAN	KEYBOARD/W ST,89,24P,BLACK,NOR,310X115.52, 5.5mm	KB.INT00.084
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK KOREAN	KEYBOARD/W ST,88,24P,BLACK,KOR,310X115.52,5 .5mm	KB.INT00.086
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK ITALIAN	KEYBOARD/W ST,89,24P,BLACK,ITA,310X115.52,5. 5mm	KB.INT00.088
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK HUNGARIAN	KEYBOARD/W ST,89,24P,BLACK,HUN,310X115.52,5 .5mm	KB.INT00.091
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK GREEK	KEYBOARD/W ST,88,24P,BLACK,GRE,310X115.52,5 .5mm	KB.INT00.092
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK GERMAN	KEYBOARD/W ST,89,24P,BLACK,GER,310X115.52,5 .5mm	KB.INT00.093
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK FRENCH	KEYBOARD/W ST,89,24P,BLACK,FRA,310X115.52,5 .5mm	KB.INT00.094
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK DUTCH	KEYBOARD/W ST,89,24P,BLACK,NL,310X115.52,5.5 mm	KB.INT00.096
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK DANISH	KEYBOARD/W ST,89,24P,BLACK,DEN,310X115.52,5 .5mm	KB.INT00.097
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK CZECH	KEYBOARD/W ST,89,24P,BLACK,CZE,310X115.52,5 .5mm	KB.INT00.098

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK TRADITIONAL CHINESE	KEYBOARD/W ST,88,24P,BLACK,TWN,310X115.52, 5.5mm	KB.INT00.099
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK CANADIAN FRENCH	KEYBOARD/W ST,89,24P,BLACK,CAN-FR,310X115.52, 5.5mm	KB.INT00.101
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK BRAZILIAN PORTUGUESE	KEYBOARD/W ST,89,24P,BLACK,BRA,310X115.52,5 .5mm	KB.INT00.102
KEYBOARD	KEYBOARD 14_15KB-EV2T 89KS BLACK BELGIUM	KEYBOARD/W ST,89,24P,BLACK,BEL,310X115.52,5. 5mm	KB.INT00.103
KEYBOARD	KEYBOARD 14_15KB-EV2T 88KS BLACK ARABIC/ENGLISH	KEYBOARD/W ST,88,24P,BLACK,ARA,310X115.52,5 .5mm	KB.INT00.104
LCD	LCD MODULE 14.1" WXGA NON-GLARE W/ANTENNA FOR AU/LG		6M.TLN0N.00 1
BOARD	INVERTER BOARD NEC/TOKIN 7312S3	INVERTER,5VDC,AC690V,55KHz,13 0X12.5	19.TCX0N.00 1
CASE/COVER/ BRACKET ASSEMBLY	INVERTER INSULATOR	INSULATOR,INVERTER,FORMEX GK-5BK	47.TLK0N.001
CABLE	LCD CABLE FOR AU/LG	CABLE,FLAT,40POS,219mm,I,LCM	50.TLN0N.001
CASE/COVER/ BRACKET ASSEMBLY	LCD BEZEL FOR NON-CAMERA	FRU,LCD TOP CASE ASSEMBLY	60.TLN0N.001
CASE/COVER/ BRACKET ASSEMBLY	LCD COVER W/ ANTENNA & MICROPHONE	FRU,LCD BOTTOM CASE ASSEMBLY	60.TLK0N.005
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET LEFT	HINGE-W BRACKET,DISPLAY,LEFT,6.5~7.5KG	33.TLK0N.002
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET RIGHT	HINGE-W BRACKET,DISPLAY,RIGHT,6.5~7.5K G	33.TLK0N.003
MICROPHONE	MICROPHONE	MIC.SET,-44DB,7.2X3,OMNI,680mm	23.TLK0N.003
LCD	LCD 14.1" WXGA AU B141EW04-V3 NON-GLARE 200NIT 16MS LF	LCM,14.1,TFT,WXGA,LVDS,400g	LK.14105.019
LCD	LCD MODULE 14.1" WXGA NON-GLARE W/ANTENNA FOR SAMSUNG/CMO		6M.TLN0N.00 2
BOARD	INVERTER BOARD NEC/TOKIN 7312S3	INVERTER,5VDC,AC690V,55KHz,13 0X12.5	19.TCX0N.00 1
CASE/COVER/ BRACKET ASSEMBLY	INVERTER INSULATOR	INSULATOR,INVERTER,FORMEX GK-5BK	47.TLK0N.001
CABLE	LCD CABLE FOR SAMSUNG/CMO	CABLE,FLAT,40POS,219mm,I,LCM	50.TLN0N.002
CASE/COVER/ BRACKET ASSEMBLY	LCD BEZEL FOR NON-CAMERA	FRU,LCD TOP CASE ASSEMBLY	60.TLN0N.001

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
CASE/COVER/ BRACKET ASSEMBLY	LCD COVER W/ ANTENNA & MICROPHONE	FRU,LCD BOTTOM CASE ASSEMBLY	60.TLK0N.005
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET LEFT	HINGE-W BRACKET,DISPLAY,LEFT,6.5~7.5KG	33.TLK0N.002
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET RIGHT	HINGE-W BRACKET,DISPLAY,RIGHT,6.5~7.5K G	33.TLK0N.003
MICROPHONE	MICROPHONE	MIC.SET,-44DB,7.2X3,OMNI,680mm	23.TLK0N.003
LCD	LCD 14.1WXGA SAMSUNG LTN141W3-L01-0 NON-GLARE 16MS 200NITS LF	LCM,14.1,TFT,WXGA,LVDS,390g	LK.14106.010
LCD	LCD MODULE 14.1" WXGA GLARE W/ ANTENNA FOR AU/LG		6M.TLN0N.00 3
BOARD	INVERTER BOARD NEC/TOKIN 7312S3	INVERTER,5VDC,AC690V,55KHz,13 0X12.5	19.TCX0N.00 1
CASE/COVER/ BRACKET ASSEMBLY	INVERTER INSULATOR	INSULATOR,INVERTER,FORMEX GK-5BK	47.TLK0N.001
CABLE	LCD CABLE FOR AU/LG	CABLE,FLAT,40POS,219mm,I,LCM	50.TLN0N.001
CASE/COVER/ BRACKET ASSEMBLY	LCD BEZEL FOR NON-CAMERA	FRU,LCD TOP CASE ASSEMBLY	60.TLN0N.001
CASE/COVER/ BRACKET ASSEMBLY	LCD COVER W/ ANTENNA & MICROPHONE	FRU,LCD BOTTOM CASE ASSEMBLY	60.TLK0N.005
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET LEFT	HINGE-W BRACKET,DISPLAY,LEFT,6.5~7.5KG	33.TLK0N.002
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET RIGHT	HINGE-W BRACKET,DISPLAY,RIGHT,6.5~7.5K G	33.TLK0N.003
MICROPHONE	MICROPHONE	MIC.SET,-44DB,7.2X3,OMNI,680mm	23.TLK0N.003
LCD	LCD 14.1" WXGA AU B141EW04-V4 GLARE 200NIT 16MS LF	LCM,14.1,TFT,WXGA,LVDS,400g	LK.14105.018
LCD	LCD MODULE 14.1" WXGA GLARE W/ ANTENNA FOR SAMSUNG/CMO		6M.TLN0N.00 4
BOARD	INVERTER BOARD NEC/TOKIN 7312S3	INVERTER,5VDC,AC690V,55KHz,13 0X12.5	19.TCX0N.00 1
CASE/COVER/ BRACKET ASSEMBLY	INVERTER INSULATOR	INSULATOR,INVERTER,FORMEX GK-5BK	47.TLK0N.001
CABLE	LCD CABLE FOR SAMSUNG/CMO	CABLE,FLAT,40POS,219mm,I,LCM	50.TLN0N.002
CASE/COVER/ BRACKET ASSEMBLY	LCD BEZEL FOR NON-CAMERA	FRU,LCD TOP CASE ASSEMBLY	60.TLN0N.001
CASE/COVER/ BRACKET ASSEMBLY	LCD COVER W/ ANTENNA & MICROPHONE	FRU,LCD BOTTOM CASE ASSEMBLY	60.TLK0N.005

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET LEFT	HINGE-W BRACKET,DISPLAY,LEFT,6.5~7.5KG	33.TLK0N.002
CASE/COVER/ BRACKET ASSEMBLY	LCD BRACKET RIGHT	HINGE-W BRACKET,DISPLAY,RIGHT,6.5~7.5K G	33.TLK0N.003
MICROPHONE	MICROPHONE	MIC.SET,-44DB,7.2X3,OMNI,680mm	23.TLK0N.003
LCD	LCD 14.1WXGA SAMSUNG LTN141W3-L01-G GLARE 16MS 200NITS LF	LCM,14.1,TFT,WXGA,LVDS,390g	LK.14106.011
MAINBOARD	MAINBOARD MICHIGAN INTEL GM965 ICH8DH LF	FRU,MAIN BOARD ASSEMBLY	MB.TLN0B.00 1
MEMORY	SODIMM 512MB DDRII667 HYNIX HYMP564S64CP6-Y5 LF	MEMORY MODULE,512MB,PC2-5300,DDR2, 200P,64MX64,0.45ns,5	KN.5120G.019
MEMORY	SODIMM 512MB DDRII667 NANYA NT512T64UH8B0FN-3C LF	MEMORY MODULE,512MB,PC2-5300,DDR2, 200P,64MX64, 0.45ns,5	KN.51203.032
MEMORY	SODIMM 512MB DDRII667 SAMSUNG M470T6554EZ3-CE6 LF	MEMORY MODULE,512MB,PC2-5300,DDR2, 200P,64MX64, 0.45ns,5,UB	KN.5120B.023
MEMORY	SODIMM 1GB DDRII667 HYNIX HYMP512S64CP8-Y5 LF	MEMORY MODULE,1GB,PC2-5300,DDR2, 200P,128MX64, 0.45ns,5	KN.1GB0G.00 6
MEMORY	SODIMM 1GB DDRII667 NANYA NT1GT64U8HB0BN-3C LF	MEMORY MODULE,1GB,PC2-5300,DDR2, 200P,128MX64, 0.45ns,5	KN.1GB03.01 4
MEMORY	SODIMM 1GB DDRII667 NANYA NT1GT64U8 HA0BN-3C LF	MEMORY MODULE,1GB,PC2-5300,DDR2, 200P,128MX64, 0.45ns,5	KN.1GB03.00 9
MEMORY	SODIMM 1GB DDRII667 SAMSUNG M470T2953EZ3-CE6 LF	MEMORY MODULE,1GB,PC2-5300,DDR2, 200P,128MX64, 0.45ns,5,UB	KN.1GB0B.01 1
MEMORY	SODIMM 1GB DDRII667 PROMOS V916765G24QBFW-F5 LF	MEMORY MODULE,1GB,PC2-5300,DDR2, 200P,128MX64,0.45ns,5,UB	KN.1GB0M.00 1
MISCELLANEOU S	LCD CUSHION RIGHT	BUMPER,DISPLAY,RIGHT,SILICONE	47.TLK0N.002
MISCELLANEOU S	LCD CUSHION LEFT	BUMPER,DISPLAY,SILICONE	47.TLK0N.003
MISCELLANEOU S	LCD CUSHION MIDDLE	BUMPER,DISPLAY,TOP-MIDDLE,SILICONE	47.TLK0N.004
SPEAKER	SPEAKER SET	SPEAKER.SET,4OHM,2W,23.5mm,1 01X77X20-68X	23.TLK0N.002
SCREW	SCREW-I25050M (4.5D*0.8T)-BK-PATCH	SCREW-I25050M(4.5D*0.8T)-BK-PATCH	86.D03VN.00 2
SCREW	SCREW-I25060M-BNI-PATCH	SCREW-I25060M-BNI-PATCH	86.TLK0N.002
SCREW	SCREW BK PATC	SCREW,I,M2.5,3.5mm,M,4.5mm,0.8 mm,BK,PATC	86.TLK0N.003
SCREW	SCREW	SCREW-I25025M(4.5Dx0.8T)-BK-PATCH	86.TCXVN.00 2
SCREW	SCREW	SCREW-I25040M(4.5Dx0.8T)-BK-PATCH	86.TCXVN.00 5

CATEGORY	PARTNAME	DESCRIPTON	ACER PART NO.
SCREW	SCREW	SCREW,I,M2.5,3.0mm,M,4.5mm,0.8 mm,BNI,PAT	86.TCXVN.00 7
SCREW	SCREW	SCREW-I20050M(4.5Dx0.5T)-BK-PATCH	86.TCXVN.00 4
SCREW	SCREW	SCREW-I-M2.0-3.0-M-4.0Dx0.3T-BK-PATCH	86.TCXVN.00 6
SCREW	SCREW BNI PATC	SCREW,I,M2.0,3.0mm,M,4.5mm,.8m m,BNI,PATC	86.TLK0N.004
SCREW	SCREW	SCREW,I,M1.6X0.35,3.5mm,MACHIN E,2.6mm,0.	86.TLK0N.005
SCREW	SCREW-I30035M (D4.5X0.4T)-HARDEN-N1	SCREW-I30035M(D4.5X0.4T)-HARDEN-N1	86.TLK0N.006

Model Definition and Configuration

TravelMate 6492 Series

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-302G12N	WW	WW	S2.TLK06.001	TM6492-302G12N XPPTWW1 UMACF 2*1G/120/BT/6L/5R_N_FP_0.3D_AL_EN11_Media review	C2DT7300	N120GB5.4KS	NSM8X
TM6492-302G12N	WW	WW	S2.TLK0Z.001	TM6492-302G12N VB32TWW1 UMACF 2*1G/120/BT/9L/5R_N_FP_0.3D_AL_EN11_Media review	C2DT7300	N120GB5.4KS	NSM8X
TM6492-102G16N	TWN	GCTWN	LX.TLK0Z.006	TM6492-102G16N VB32TRTW1 UMACF 2*1G/160/BT/6L/5R_N_FP_0.3D_AL_TC11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-102G16N	TWN	GCTWN	LX.TLK0Z.007	TM6492-102G16N VB32TTW1 UMACF 2*1G/160/BT/6L/5R_N_FP_0.3D_AL_TC11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-302G16N	TWN	GCTWN	LX.TLK0Z.009	TM6492-302G16N VB32TRTW1 UMACF 2*1G/160/BT/6L/5R_N_FP_0.3D_AL_TC11	C2DT7300	N160GB5.4KS	NSM8X
TM6492-302G16N	TWN	GCTWN	LX.TLK0Z.008	TM6492-302G16N VB32TTW1 UMACF 2*1G/160/BT/6L/5R_N_FP_0.3D_AL_TC11	C2DT7300	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Belgium	LX.TLK0Z.021	TM6492-101G16N VB32TRBE1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_NL13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Czech	LX.TLK0Z.020	TM6492-101G16N VB32TRCZ1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_SK11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Denmark	LX.TLK0Z.017	TM6492-101G16N VB32TRDK1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_NO13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Germany	LX.TLK0Z.018	TM6492-101G16N VB32TRDE1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_DE13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Switzerland	LX.TLK0Z.039	TM6492-101G16N VB32TRCH1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_IT42	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Spain	LX.TLK0Z.029	TM6492-101G16N VB32TRES1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_ES22	C2DT7100	N160GB5.4KS	NSM8X

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-101G16N	EMEA	France	LX.TLK0Z.012	TM6492-101G16N VB32TRFR1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_FR23	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.044	TM6492-101G16N VB32TREU1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_CS21	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.025	TM6492-101G16N VB32TREU4 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_FI12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.026	TM6492-101G16N VB32TREU3 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_RU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.014	TM6492-101G16N VB32TREU2 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_HU21	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.027	TM6492-101G16N VB32TREU5 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_PL11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Greece	LX.TLK0Z.041	TM6492-101G16N VB32TRGR1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_EL32	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Hungary	LX.TLK0Z.028	TM6492-101G16N VB32TRHU1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_HU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	UK	LX.TLK0Z.040	TM6492-101G16N VB32TRGB1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_EN14	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Italy	LX.TLK0Z.032	TM6492-101G16N VB32TRIT1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_IT12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Luxembourg	LX.TLK0Z.022	TM6492-101G16N VB32TRLU1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_IT42	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Holland	LX.TLK0Z.042	TM6492-101G16N VB32TRNL1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_NL12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Norway	LX.TLK0Z.023	TM6492-101G16N VB32TRNO1 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_NO12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.013	TM6492-101G16N VB32TRME2 UMACF 2*512/160/BT/9L/5R_N_FP_0.3D_AL_AR12	C2DT7100	N160GB5.4KS	NSM8X

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.036	TM6492-101G16N VB32TRME6 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_EN14	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.038	TM6492-101G16N VB32TRME4 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_RU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.011	TM6492-101G16N VB32TRME2 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_AR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.037	TM6492-101G16N VB32TRME3 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_FR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Turkey	LX.TLK0Z.033	TM6492-101G16N VB32TRTR1 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_TR11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Portugal	LX.TLK0Z.043	TM6492-101G16N VB32TRPT1 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_PT12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Sweden/ Finland	LX.TLK0Z.019	TM6492-101G16N VB32TRSE1 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_FI12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	South Africa	LX.TLK0Z.015	TM6492-101G16N VB32TRZA1 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_FR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	South Africa	LX.TLK0Z.016	TM6492-101G16N VB32TRZA2 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_EN15	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Denmark	LX.TLK0Z.065	TM6492-101G16N VB32TRDK1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_NO13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Germany	LX.TLK0Z.071	TM6492-101G16N VB32TRDE1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_DE13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Belgium	LX.TLK0Z.047	TM6492-101G16N VB32TRBE1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_NL13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Czech	LX.TLK0Z.048	TM6492-101G16N VB32TRCZ1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_SK11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.049	TM6492-101G16N VB32TREU1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_CS21	C2DT7100	N160GB5.4KS	NSM8X

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-101G16N	EMEA	Spain	LX.TLK0Z.057	TM6492-101G16N VB32TRES1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_ES22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Switzerland	LX.TLK0Z.066	TM6492-101G16N VB32TRCH1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_IT42	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	UK	LX.TLK0Z.064	TM6492-101G16N VB32TRGB1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN14	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.055	TM6492-101G16N VB32TREU5 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_PL11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Hungary	LX.TLK0Z.073	TM6492-101G16N VB32TRHU1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_HU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Greece	LX.TLK0Z.058	TM6492-101G16N VB32TRGR1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EL32	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.072	TM6492-101G16N VB32TREU4 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_FI12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.053	TM6492-101G16N VB32TREU3 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_RU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Eastern Europe	LX.TLK0Z.054	TM6492-101G16N VB32TREU2 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_HU21	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	France	LX.TLK0Z.046	TM6492-101G16N VB32TRFR1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_FR23	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Luxembourg	LX.TLK0Z.051	TM6492-101G16N VB32TRLU1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_IT42	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Italy	LX.TLK0Z.075	TM6492-101G16N VB32TRIT1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_IT12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.061	TM6492-101G16N VB32TRME2 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_AR12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.074	TM6492-101G16N VB32TRME2 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_AR22	C2DT7100	N160GB5.4KS	NSM8X

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.069	TM6492-101G16N VB32TRME3 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_FR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.063	TM6492-101G16N VB32TRME4 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_RU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Middle East	LX.TLK0Z.062	TM6492-101G16N VB32TRME6 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN14	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Turkey	LX.TLK0Z.060	TM6492-101G16N VB32TRTR1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_TR11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Portugal	LX.TLK0Z.056	TM6492-101G16N VB32TRPT1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_PT12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Norway	LX.TLK0Z.068	TM6492-101G16N VB32TRNO1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_NO12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Holland	LX.TLK0Z.050	TM6492-101G16N VB32TRNL1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_NL12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Sweden/ Finland	LX.TLK0Z.070	TM6492-101G16N VB32TRSE1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_FI12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	South Africa	LX.TLK0Z.045	TM6492-101G16N VB32TRZA1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_FR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	South Africa	LX.TLK0Z.067	TM6492-101G16N VB32TRZA2 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN15	C2DT7100	N160GB5.4KS	NSM8X
TM6492-302G16N	China	China	LX.TLK0Z.076	TM6492-302G16N VB32TRCN1 UMACF 2*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_SC11	C2DT7300	N160GB5.4KS	NSM8X
TM6492-302G16N	China	Hong Kong	LX.TLK0Z.077	TM6492-302G16N VB32TRHK2 UMACF 2*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_ZH21	C2DT7300	N160GB5.4KS	NSM8X
TM6492-102G16N	EMEA	Sweden/ Finland	LX.TLK0Z.078	TM6492-102G16N VB32TRSE1 UMACF 2*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_FI12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-102G16N	EMEA	Sweden/ Finland	LX.TLK06.005	TM6492-102G16N XPPTSE1 UMACF 2*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_FI12	C2DT7100	N160GB5.4KS	NSM8X

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-101G16	AAP	Thailand	LX.TLK06.004	TM6492-101G16 XPPTTH1 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_TH21	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	AAP	Thailand	LX.TLK0Z.002	TM6492-101G16 VB32TRTH1 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_TH21	C2DT7100	N160GB5.4KS	NSM8X
TM6492-100512N	EMEA	Eastern Europe	LX.TLK0C.001	TM6492-100512N LINPUSTEU5 UMACF 1*512/120/BT/6L/ 5R_N_FP_0.3D_AL_EN41	C2DT7100	N120GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Germany	LX.TLK06.006	TM6492-101G16N XPPTDE1 UMACF 2*512/160/BT/9L/ 5R_N_FP_0.3D_AL_DE13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	EMEA	Switzerland	LX.TLK06.007	TM6492-101G16N XPPTCH1 UMACF 1*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_IT42	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	Israel	LX.TLK0Z.086	TM6492-101G16 VB32TRIL1 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_HE31	C2DT7100	N160GB5.4KS	NSM8X
TM6492-301G16N	AAP	Singapore	LX.TLK0Z.081	TM6492-301G16N VB32TRSG1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7300	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	South Africa	LX.TLK0Z.084	TM6492-101G16 VB32TRZA2 UMACF 2*512/160/BT/6L/ 5R_abg_FP_0.3D_AL_EN15	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	South Africa	LX.TLK0Z.079	TM6492-101G16 VB32TRZA1 UMACF 2*512/160/BT/6L/ 5R_abg_FP_0.3D_AL_FR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	AAP	Singapore	LX.TLK0Z.087	TM6492-101G16N VB32TRSG1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	Russia	LX.TLK0Z.089	TM6492-101G16 VB32TRRU1 UMACF 2*512/160/BT/6L/ 5R_abg_FP_0.3D_AL_RU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-102G16N	EMEA	Norway	LX.TLK0Z.090	TM6492-102G16N VB32TRNO1 UMACF 2*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_NO12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-102G16N	EMEA	Norway	LX.TLK06.009	TM6492-102G16N XPPTNO1 UMACF 2*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_NO12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-301G16N	EMEA	France	LX.TLK06.008	TM6492-301G16N XPPTFR1 UMACF 1*1G/160/BT/6L/ 5R_N_FP_0.3D_AL_FR23	C2DT7300	N160GB5.4KS	NSM8X
TM6492-301G16N	AAP	Vietnam	LX.TLK0Z.003	TM6492-301G16N VB32TRVN1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7300	N160GB5.4KS	NSM8X

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-301G16N	AAP	Indonesia	LX.TLK0Z.010	TM6492-301G16N VB32TRID1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7300	N160GB5.4KS	NSM8X
TM6492-101G16N	AAP	Indonesia	LX.TLK0Z.005	TM6492-101G16N VB32TRID1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G12N	AAP	Indonesia	LX.TLK0Z.004	TM6492-101G12N VB32TRID1 UMACF 2*512/120/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7100	N120GB5.4KS	NSM8X
TM6492-101G16	EMEA	Middle East	LX.TLK0Z.085	TM6492-101G16 VB32TRME4 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_RU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	Middle East	LX.TLK0Z.082	TM6492-101G16 VB32TRME2 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_AR12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	Middle East	LX.TLK0Z.088	TM6492-101G16 VB32TRME6 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_EN14	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	Middle East	LX.TLK0Z.083	TM6492-101G16 VB32TRME2 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_AR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	Middle East	LX.TLK0Z.080	TM6492-101G16 VB32TRME3 UMACF 2*512/160/BT/6L/ 5R_bg_FP_0.3D_AL_FR22	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16N	AAP	Singapore	LX.TLK06.014	TM6492-101G16N XPPTSG1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7100	N160GB5.4KS	NSM8X
TM6492-301G16N	AAP	Singapore	LX.TLK06.015	TM6492-301G16N XPPTSG1 UMACF 2*512/160/BT/6L/ 5R_N_FP_0.3D_AL_EN12	C2DT7300	N160GB5.4KS	NSM8X
TM6492-101G16	EMEA	Russia	LX.TLK0Z.024	TM6492-101G16 VB32TRRU1 UMACF 2*512/160/BT/9L/ 5R_abg_FP_0.3D_AL_RU11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G16	AAP	Thailand	LX.TLK06.017	TM6492-101G16 XPPTTH1 UMACF 1*1G/160/BT/6L/ 5R_bg_FP_0.3D_AL_TH21	C2DT7100	N160GB5.4KS	NSM8X
TM6492-101G08	AAP	Thailand	LX.TLK06.016	TM6492-101G08 XPPTTH1 UMACF 1*1G/80/BT/6L/ 5R_bg_FP_0.3D_AL_TH21	C2DT7100	N80GB5.4KS	NSM8X
TM6492-101G16	EMEA	Denmark	LX.TLK06.018	TM6492-101G16 XPPTDK1 UMACF 1*1G/160/BT/9L/ 5R_abg_FP_0.3D_AL_NO13	C2DT7100	N160GB5.4KS	NSM8X
TM6492-102G16N	PA	Canada	LX.TLK06.013	TM6492-102G16N XPPTCA1 UMACF 2*1G/160/BT/9L/ 5R_N_VP_FP_0.3D_AL_FR11	C2DT7100	N160GB5.4KS	NSM8X
TM6492-102G16N	PA	Canada	LX.TLK06.012	TM6492-102G16N XPPTCA1 UMACF 2*1G/160/6L/ 5R_N_FP_0.3D_AL_FR11	C2DT7100	N160GB5.4KS	NSM8X

Model	RO	Country	Acer Part no	Description	CPU	HDD 1 (GB)	ODD
TM6492-102G16N	PA	USA	LX.TLK06.011	TM6492-102G16N XPPTUS1 UMACF 2*1G/160/BT/9L/ 5R_N_VP_FP_0.3D_AL_EN32	C2DT7100	N160GB5.4KS	NSM8X
TM6492-102G12N	PA	USA	LX.TLK06.001	TM6492-102G12N XPPTUS1 UMACF 2*1G/120/6L/ 5R_N_FP_0.3D_AL_EN32	C2DT7100	N120GB5.4KS	NSM8X
TM6492-102G12N	PA	USA	LX.TLK06.002	TM6492-102G12N XPPTUS1 UMACF 2*1G/120/6L/ 5R_N_FP_0.3D_AL_EN33	C2DT7100	N120GB5.4KS	NSM8X
TM6492-102G12N	PA	Canada	LX.TLK06.003	TM6492-102G12N XPPTCA1 UMACF 2*1G/120/6L/ 5R_N_FP_0.3D_AL_FR11	C2DT7100	N120GB5.4KS	NSM8X
TM6492-102G16N	PA	USA	LX.TLK06.010	TM6492-102G16N XPPTUS1 UMACF 2*1G/160/6L/ 5R_N_FP_0.3D_AL_EN32	C2DT7100	N160GB5.4KS	NSM8X

Test Compatible Components

This computer's compatibility is tested and verified by Acer's internal testing department. All of its system functions are tested under Windows® XP Home, Windows® XP Pro environment.

Refer to the following lists for components, adapter cards, and peripherals which have passed these tests. Regarding configuration, combination and test procedures, please refer to the TravelMate 6492 Series Compatibility Test Report released by the Acer Mobile System Testing Department.

Test Peripherals for TravelMate 6492

Category	Item	Model/Description
Basic PC Card	LAN Card	Xircom Ethernet Adapter 10/100 PC Card
Advanced PC Card	USB2.0 Card	ATEN PU-212 USB 2.0 PC Card [32 bit]
	1394 Card	FireLink IEEE 1394 CardBus Card(2 Ports) [32 bit]
	SCSI Card	ADAPTEC SlimSCSI 1480B SCSI Card [32 bit]
	Wireless Lan Card	D-link DWL-AG660 [32 bit]
		3COM [32 bit]
	3G data card	Sony Ericsson GC89 EDGE/WLAN
	Bluetooth Card	Billionton Bluetooth PCMCIA Adapter [16 bit]
	Phone Card	Nokia D211 GSM Phone Card [16 bit]
	CF	Toshiba 5G
		Hitachi MicroDrive 2G
I/O - Display	External monitor	BenQ FP791 Monitor
		Benq H200 LCD TV
		SAMPO PDP TV PM-42PS6
	Projector	Acer (PD322)
		Acer (PD113P)
	TV / LCD-TV	Benq H200 LCD TV
		SAMPO PDP TV PM-42PS6
	HDMI	Sony KLV S3210 LCD TV
I/O - Parallel	Legacy (Parallel) Printer / Scanner	CANON i865 Printer
I/O - Serial	Mouse	Logitech MouseMan Serial-MousePort

Category	Item	Model/Description
I/O - USB	Keyboard / Mouse	Logitech® MX™900 Bluetooth® Optical Mouse
		Microsoft Wireless Optical Mouse Blue Moon WIN PS2/USB W/Tilt Wheel - K80-00060
		BENQ Wireless Optical Mouse Blue
	Printer / Scanner	CANON i865 Printer
		HP PSC1350 All in one Printer
		EPSON PERFECTION 4870 PHOTO Scanner
		COMPAQ Scanner Flatbed S200 US
	Speaker/Joystick	JS iFun USB Speaker (JS1200UA)
		SANWA JY-PFFUW
	Camera / DV	Nikon D50 Digital Camera
		Logitec QuickCam Pro 4000 (1.3M pixels)
	Storage Drive	IOGEAR 1394/USB 2.0 External HDD
		BuffaloHD-160IU2(160GB)
	Flash Drive	iPod shuffle M9725PA/A(1GB)
		SanDisk ImageMate 8 in1 Card Reader
	Floppy Drive	TEAC USB FDD FD05-PUB
		Mitsumi FDD D353GUE
	Hub	D-link 4 Port USB 2.0 HUB
	ODD	I/O DATA DVR-UEH8 External x8 DVD super multi drive
		TEAC DVD ROM Slim COMBO Drive
	TV Tuner	CTS portable TV BOX
	PDA	Acer n50 Premum
	Others	Microsoft Fingerprint Reader
I/O - Access Point	Access Point	DWL 7100AP Premier AG
I/O - Bluetooth	USB	TRENDNET Bluetooth VoIP Phone
		Logitech® MX™900 Bluetooth® Optical Mouse
	PDA	Dopod 699 by IR, USB, Bluetooth
		HP iPAQ Pocket PC by Bluetooth and USB
	Printer	BT-PA04AU EPX Bluetooth USB Printer Adapter (option: parallel)
	Mobile phone	Nokia 6230i
	Headset	Motorola (HT820)
	Phone Card	Acer bluetooth VOIP Phone Card
I/O - IR	PDA	Acer n50 Premum
	Mobile phone	Dopod 699
	Printer	HP LaserJet 6P Printer by IR

Category	Item	Model/Description
I/O - Card Reader	MMC	MMC CARD 64MB
		RS-MMC+Adapter 128MB
	MS	MSX-256 Memory Stick
		MS CARD 128MB
	MS Pro	Memory Stick PRO MSX-1GS
		Memory Stick PRO MSX-2GS
	MS Duo	Memory Stick Duo 128MB
	SD	SD CARD 512MB(SDSDJ-512)
		SanDisk Ultra II 2.0GB
	SM	SM CARD 128MB
	XD	xD CARD 128MB
		xD CARD 256MB
	Smart Card	Provide by Acer
I/O - 1394	Camera / DV	Sony DV Cam DCR-TRV320
	Printer / Scanner	EPSON PERFECTION 4870 PHOTO Scanner
		CANON i865 Printer
	Storage Device	ADTEC LHD-HA160FU2 IEEE1394 & USB 2.0/1.1 HDD unit
		IOGEAR 1394/USB 2.0 External HDD
	ODD	I/O DATA DVR-UEH8 External x8 DVD super multi drive
		Sony DVD+-RW DUL-530A by USB / 1394
I/O - S-Video in	ODD	Joybee 610 DVD player
I/O - Audio	SPDIF/Audio Jack	CREATIVE INSPIRE Digital 5600 Speaker
Others - Software/Game	Software	MSN 8.0 or later
	Software	Yahoo Messenger 8.1 or later
	Software	Skype 2.5 or later
	Software	Microsoft Office2007
	PC Game	Command & Conquer2
	PC Game	3 Hyper
	PC Game	NBA live 2005
	PC Game	Tiger Woods PGA TOUR 06
	PC Game	Prince of Persia: Warrior Within
	PC Game	Total War
	PC Game	Need for Speed- Under Ground II (DX9)

Online Support Information

This section describes online technical support services available to help you repair your Acer Systems.

If you are a distributor, dealer, ASP or TPM, please refer your technical queries to your local Acer branch office. Acer Branch Offices and Regional Business Units may access our website. However some information sources will require a user i.d. and password. These can be obtained directly from Acer CSD Taiwan.

Acer's Website offers you convenient and valuable support resources whenever you need them.

In the Technical Information section you can download information on all of Acer's Notebook, Desktop and Server models including:

- Service guides for all models
- User's manuals
- Training materials
- Bios updates
- Software utilities
- Spare parts lists
- TABs (Technical Announcement Bulletin)

For these purposes, we have included an Acrobat File to facilitate the problem-free downloading of our technical material.

Also contained on this website are:

- Detailed information on Acer's International Traveler's Warranty (ITW)
- Returned material authorization procedures
- An overview of all the support services we offer, accompanied by a list of telephone, fax and email contacts for all your technical queries.

We are always looking for ways to optimize and improve our services, so if you have any suggestions or comments, please do not hesitate to communicate these to us.